APPENDIX A

FIELD DOCUMENTATION
NOVEMBER TO DECEMBER 2007 (SECOND SEMIANNUAL) MONITORING EVENT

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-33

Client: CHEVRON
Project: 2ND 2007 1M
Project No. 5000-017-016

Well Condition: TOP COVER BENT
Geologist: DOUG LA
Date: 11/9/2007

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 40.0'
Depth to Water: 27.05'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 12.95'
Casing Volume (Water Column x Gallons per foot): 2.07 g
Purge Volume (3 x Casing Volume): 6.21 g

Purge Information

Purge Start Time: 1530
Purge Method: LOW FLOW
Flow Rate: 0.95 Lpm

Time	Volume Removed (L)	pH	Specific Conductivity (uS/cm)	Temperature °C	DO mg/L	ORP mV	Turbidity NTU
1535	4L	6.79	822.3	14.25	0.03	-360	56.8
1540	5L	6.82	858.5	14.63	0.06	-374	27.8
1545	7.5	6.82	883.9	14.48	-0.01	-405	16.5
1550	10.0 L	6.83	919.3	14.19	-0.02	-418	11.5
1555	13.5 L	6.84	948.8	14.22	-0.01	-429	9.4
1600	15.5 L	6.82	973.3 973.8	14.53	0.01	-419	6.8
1605	16.5 L	6.84	989.2	14.53	-	-395	7.6
1610	18.0 L	6.81	1995.2	14.74	-	-405	5.0

Purge Finish Time: 1610
Total Volume Purged: 20L
Final Depth to Water: 27.05'

Sampling Information

Wellhead Gas Measurements: -
Sample Collection Time: 1615
Analytical Suite Collected: VOCs, DS LEAD
QAQC Samples Collected: NONE

Notes: RUST & DARK ORGANIC FLAKES INITIALLY, GOING TO CLEAR
NO SHEEN, ORGANIC ODOR

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-23

Client: CHEVRON
Project: ZNO 2007 1M
Project No. 500-017-016

Well Condition: GOOD
Geologist: DMG
Date: 11/9/2007

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.10'
Depth to Water: 25.14'
Depth to Product: N.P.
Casing Diameter: 2"
Water Column: 18.96'
Casing Volume (Water Column x Gallons per foot): 3.03
Purge Volume (3 x Casing Volume): 9.10

Purge Information

Purge Start Time: 1435
Purge Method: LOW FLOW
Flow Rate: 0.6 Lpm

Time	Volume Removed L	pH	Specific Conductivity us/cm	Temperature °C	DO mg/L	ORP mV	Turbidity NTU
1440	3 L	6.93	912.8	15.24	1.00	-453	257.2
1445	4.75 L	6.91	916.1	15.08	0.89	-460	262.6
1450	8 L	6.90	916.3	14.97	0.80	-470	263.8
1455	12 L	6.90	916.0	14.79	0.72	-481	-
							10.5 *

Purge Finish Time: 1455
Total Volume Purged: 20 L
Final Depth to Water: 25.14

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1457
Analytical Suite Collected: VOC's, DIS LEAD
QAQC Samples Collected: NONE

Notes: * DEBRIS FROM WELL ON TURBIDITY OPTICS - CLEANED AND RECHECKED
~~HYDROGEN SULFIDE ODOR~~, NO SHEEN, SULFUR ODOR

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-104

Client: Chevron
Project: 2nd 2007 IM
Project No. 300-017-010

Well Condition: Good
Geologist: Dan LA
Date: 11/10/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 26.07'
Depth to Water: 19.68'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 6.39'
Casing Volume (Water Column x Gallons per foot): 1.02 g
Purge Volume (3 x Casing Volume): 3.06 g

Purge Information

Purge Start Time: 1418
Purge Method: Low Flow
Flow Rate: 0.375 Lpm

Time	Volume Removed (L)	pH	Specific Conductivity (uS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1423	2.75 L	7.28	817.2	21.29	1.12	-22	669.3
1428	4.25	7.18	815.2	21.49	0.23	-88	176.3
1438	8.0 L	7.20	811.1	21.12	0.16	-162	17.4
1445	10.0 L	7.21	811.3	21.43	0.19	-180	6.4
1450	12.0 L	7.21	810.3	21.58	0.20	-188	3.8

Purge Finish Time: 1455
Total Volume Purged: 12.0 L
Final Depth to Water: 19.68'

Sampling Information

Wellhead Gas Measurements: —
Sample Collection Time: 1450
Analytical Suite Collected: VOCs, DIS LEAD
QAQC Samples Collected: NONE

Notes: NO ODOR, NO SHEEN, CLEAR

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. L-4R

Client: CHEVRON
Project: 2ND 2007 1M
Project No. 500-017-010

Well Condition: GOOD
Geologist: DAVE LM
Date: 11/10/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 35.22'
Depth to Water: 28.76'
Depth to Product: N/P
Casing Diameter: 2"
Water Column: 6.46'
Casing Volume (Water Column x Gallons per foot): 1.03 g
Purge Volume (3 x Casing Volume): 3.09 g

Purge Information

Purge Start Time: 1319
Purge Method: LOW FLOW
Flow Rate: 0.275 Lpm

Time	Volume Removed (L)	pH	Specific Conductivity (uS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1324	2 L	6.81	907.6	14.23	1.21	7	31.2
1329	3.25 L	6.83	911.3	14.68	0.96	-30	14.0
1334	4.25 L	6.82	93912.7	15.11	0.91	-53	7.8
1339	5.50 L	6.83	939.914.6	15.15	0.83	-64	4.7

Purge Finish Time: 1345
Total Volume Purged: 6.5 L
Final Depth to Water: 28.76'

Sampling Information

Wellhead Gas Measurements: NONE
Sample Collection Time: 1340
Analytical Suite Collected: VOCs, DIS LEAD
QAQC Samples Collected: NONE

Notes: NO ODOR, NO SHEEN, CLEAR

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-27

Client: CHEVRON
Project: 2ND 2007 1M
Project No. 500-017-010

Well Condition: RUSTED - TOP STIFF (COMPROMISED)
Geologist: DMG LAM
Date: 11/12/2007

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.10
Depth to Water: 39.87
Depth to Product: NP
Casing Diameter: 2"
Water Column: 4.23'
Casing Volume (Water Column x Gallons per foot): 0.68 g
Purge Volume (3 x Casing Volume): 2.04 g

Purge Information

Purge Start Time: 1631
Purge Method: LOW FLOW
Flow Rate: —

Time	L Volume Removed	pH	uS/cm Specific Conductivity	°C Temperature	mg/L DO	mV ORP	NTU Turbidity
1645	5.25 L	7.61	771.1	23.13	0.10	-235	405.1
1650	9.0 L	7.63	777.6	22.97	-0.01	-328	536.6
1655	11.0 L	7.75	791.8	23.23	-0.02	-416	

Purge Finish Time: 1700
Total Volume Purged: 12.5
Final Depth to Water: —

Sampling Information

Wellhead Gas Measurements:
Sample Collection Time:
Analytical Suite Collected:
QAQC Samples Collected:

Notes: WELL WENT DRY - ROOT MASS STUCK IN PUMP - CASING COMPROMISED

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-65S

Client: Chevron
Project: IMW 2nd 2007
Project No. 500-017-010

Well Condition: Good
Geologist: S.H.
Date: 11-12-07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 23.20'
Depth to Water: 17.18'
Depth to Product: NO
Casing Diameter: 2"
Water Column: 6.02'
Casing Volume (Water Column x Gallons per foot): 1 gal (3.7L)
Purge Volume (3 x Casing Volume): 3 gal (11L)

Purge Information

Purge Start Time: 1250
Purge Method: Low Flow
Flow Rate: 2.5L/min

Time	L Volume Removed	pH	uS/cm Specific Conductivity	°C Temperature	mg/L DO	mV ORP	NTU Turbidity
1252	1	6.84	1164	19.07	0.57	-62	123.7
1257	3.5	6.87	1099	19.46	0.07	-119	32.1
13:02	6.0	6.90	1075	19.58	0.04	-154	6.7
13:07	8.0	6.91	1067	19.62	0.04	-159	5.3

Purge Finish Time: 13:07
Total Volume Purged: 8.0
Final Depth to Water: 17.80

Sampling Information

Wellhead Gas Measurements: NA
Sample Collection Time: 13:07
Analytical Suite Collected: VOC 8260 Pb (Filtered)
QAQC Samples Collected: None

Notes: Slight odor HC-like Clear, No Sheen.

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-65I

Client: Chevron
Project: IM60 2nd 2007
Project No. 500-017-010

Well Condition: Good
Geologist: S. Hall
Date: 11-12-07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.15
Depth to Water: 17.45
Depth to Product: NO
Casing Diameter: 2"
Water Column: 26.70
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: 1215
Purge Method: Low flow
Flow Rate: .2-.5 L/min

Time	Volume Removed L	pH pH	Specific Conductivity uS/cm @ C	Temperature °C	DO mg/L	ORP mV	Turbidity NTU
1217	1	7.05	852.7	16.09	7.22	-36	96.1
1222	3.5	7.04	859.0	16.69	8.55	-52	108.6
1227	6.5	7.02	865.3	16.71	6.07	-118	6.2
1232	8.5	7.05	868.2	15.37	5.29	-183	4.3
1237	10.0	7.04	869.2	15.34	4.82	-190	3.7

Purge Finish Time: 1237
Total Volume Purged: 10.0L
Final Depth to Water: 17.44

Sampling Information

Wellhead Gas Measurements: NA
Sample Collection Time: 1237
Analytical Suite Collected: VOC 8260 Pb (filtered)
QAQC Samples Collected: None

Notes: Clear, no odor, no sheen

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-65D

Client: Chevron
Project: IMW 2nd 2007
Project No. 500-017-010

Well Condition: Good
Geologist: S. Hall
Date: 11-12-07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 59.49
Depth to Water: 17.45
Depth to Product: ND
Casing Diameter: 2"
Water Column: 42.04
Casing Volume (Water Column x Gallons per foot):
Purge Volume (3 x Casing Volume):

Purge Information

Purge Start Time: 11:23
Purge Method: Low flow
Flow Rate: 200-500 ml/min

Time	Volume Removed L	pH	Specific Conductivity mS/cm SC	Temperature °C	DO mg/L	ORP mV	Turbidity NTU
11:24	1L	7.35	788.2	14.65	9.94	129	~~59~~ 228 59.1
11:29	3L	7.36	827.0	14.67	0.93	52	58.0
11:34	4.5	7.34	831.0	14.57	0.50	8	50.4
11:39	6.0	7.32	836.2	15.91	0.36	-33	40.1
11:44	8.5	7.32	837.4	15.87	0.25	-69	43.3
11:49	10.5	7.32	840.8	15.49	0.12	-108	45.5
11:54	13.5	7.32	842.4	15.49	0.06	-134	30.3
11:59	16.5	7.32	842.0	15.42	0.03	-139	29.8

Purge Finish Time: 1159
Total Volume Purged: 16.5
Final Depth to Water: 17.47

Sampling Information

Wellhead Gas Measurements: NA
Sample Collection Time: 11:59
Analytical Suite Collected: VOC's 8260B Pb (Gilroy)
QAQC Samples Collected: None

Notes: Cal Tr. 119500 SN 47145 @ 10:30 (See Rugged Reader Download)
1st Turb reading High clean Turb Sensor

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-26R

Client: CHEVRON
Project: 2nd 2007 1M
Project No. 500-013-010

Well Condition: Good
Geologist: Doug Lam
Date: 11/14/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 52.00'
Depth to Water: 41.97'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 10.03'
Casing Volume (Water Column x Gallons per foot): 1.61 g
Purge Volume (3 x Casing Volume): 4.83 g

Purge Information

Purge Start Time: 1510
Purge Method: Low Flow
Flow Rate: 0.325 Lpm

Time	Volume Removed	pH	µS/cm Specific Conductivity	°C Temperature	mg/L DO	mV ORP	NTU Turbidity
1515	3.5 L	7.41	821.8	19.74	~~6.93~~	-179	405.7
1520	4.0 L	7.39	821.4	19.96	~~6.63~~	-182	221.9
1525	5.5 L	7.38	819.6	20.34	0.53	-181	50.7
1530	7.0 L	7.40	819.9	20.03	0.23	-191	33.1
1535	8.0 L	7.40	820.0	20.10	0.24	-189	24.4
1540	9.5 L	7.40	821.1	20.40	0.24	-186	18.1
1545	11.5 L	7.39	821.5	20.54	0.24	-187	11.7
1550	13.5 L	7.40	822.4	20.42	0.20	-195	8.3
1555	15.0 L	7.40	822.4	20.42	0.18	-197	7.0
1600	16.25 L	7.40	822.0	20.41	0.18	-199	5.0

Purge Finish Time: 1605
Total Volume Purged: 17.5 L
Final Depth to Water: 41.97'

Sampling Information

Wellhead Gas Measurements: -
Sample Collection Time: 1600
Analytical Suite Collected: VOC, DS LEAD
QAQC Samples Collected: BD1, 111407

Notes: NO ODOR, NO SHEEN, CLEAR

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-95D

Client: CHEVRON
Project: 2nd 2007 IM
Project No. 500-017-010

Well Condition: Good
Geologist: DAN LA
Date: 11/14/2007

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 104.6
Depth to Water: 80.24
Depth to Product: NO
Casing Diameter: 2"
Water Column: 24.36
Casing Volume (Water Column x Gallons per foot): 3.90 g
Purge Volume (3 x Casing Volume): 11.70 g

Purge Information

Purge Start Time: 10 04
Purge Method: LOW FLOW
Flow Rate: 0.375 L/M

Time	Volume (L) Removed	pH	Specific Conductivity (uS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1009	3.0 L	7.0	1435	14.80	9.30	-97	39
1014	4.25	6.99	1436	15.08	9.15	-99	24.2
1019	5.75	6.99	1442	15.20	9.01	-93	19.9
1024	6.75	6.98	1446	15.43	8.86	-86	20.0
1029	7.50	6.99	1447	15.52	8.79	-79	21.5
1034	8.25	6.99	1449	15.52	8.73	-73	21.2

Purge Finish Time: 1035
Total Volume Purged: 9.5 L
Final Depth to Water: 80.24

Sampling Information

Wellhead Gas Measurements: -
Sample Collection Time: 1035
Analytical Suite Collected: VOC's DRO LEAD
QAQC Samples Collected: NONE

Notes: NO ODOR, NO SHEEN, CLEAR

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-95

Client: CHEVRON
Project: 2nd 2007 IM
Project No. 500-017-010

Well Condition: Good
Geologist: Dallas
Date: 11/14/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 82.6'
Depth to Water: 80.92'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 1.68
Casing Volume (Water Column x Gallons per foot): 1.27 g
Purge Volume (3 x Casing Volume): 0.81 g

Purge Information

Purge Start Time: 1357
Purge Method: BAILING (3x VOLUME)
Flow Rate: —

Time	Volume Removed	pH	Specific Conductivity	Temperature	DO	ORP	Turbidity
	* WATER TOO LOW FOR PUMP USE / LOW FLOW						

Purge Finish Time: 1425
Total Volume Purged: JUST LESS THAN 1 GALLON
Final Depth to Water: 81.56

Sampling Information

Wellhead Gas Measurements: NM
Sample Collection Time: 1430
Analytical Suite Collected: VOC's OIS CLEAN
QAQC Samples Collected: NONE

Notes: Turbid, No odor, No sheen

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-120

Client: Chevron
Project: 2ND QUARTER 09
Project No. 500-017010

Well Condition: GOOD
Geologist: DANIELLE
Date: 11/15/09

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 46.90
Depth to Water: 41.41
Depth to Product: NP
Casing Diameter: 2"
Water Column: 5.49'
Casing Volume (Water Column x Gallons per foot): 0.88g
Purge Volume (3 x Casing Volume): 2.64g

Purge Information

Purge Start Time: 1550
Purge Method: LOW FLOW
Flow Rate: 0.90

Time	Volume Removed	pH	µS/cm Specific Conductivity	°C Temperature	mg/L DO	mV ORP	NTU Turbidity
1600	4.0L	7.16	820.2	16.69	0.27	-288	244.4
1605	6.5L	7.18	818.5	16.84	0.13	-308	115.7
1610	8.5L	7.19	818.1	16.89	0.09	-315	75.2
1615	10.0L	7.19	817.9	16.97	0.09	-308	56.2
1620	12.5L	7.20	817.2	17.07	0.16	-258	35.9
1625	14.0L	7.20	817.8	17.13	0.22	-231	31.0
1630	16.0L	7.20	818.1	17.00	0.23	-234	

Purge Finish Time: 1635
Total Volume Purged: 17.0L
Final Depth to Water: 41.41

Sampling Information

Wellhead Gas Measurements: —
Sample Collection Time: 1630
Analytical Suite Collected: VOC's, DIS LEAD
QAQC Samples Collected: NONE

Notes: IRON STAINING, GOING TO CLEAR, NO ORM-SHEEN

TriHydro Corporation
Engineering and Environmental Services

Groundwater Sampling Form

Well No. MW-100s

Client: Chevron
Project: 2nd 2007 IM
Project No. 500-017-0116

Well Condition: Good
Geologist: Duncan
Date: 11/16/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 86.03'
Depth to Water: 80.90'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 5.13'
Casing Volume (Water Column x Gallons per foot): 0.82 g
Purge Volume (3 x Casing Volume): 2.46 g

Purge Information

Purge Start Time: 1210
Purge Method: Low Flow
Flow Rate: 0.30 L/m

Time	Volume Removed (L)	pH	Specific Conductivity (uS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1215	2.0 L	6.97	1250	14.41	0.72	-135	657.1
1220	4.5 L	6.92	1179	15.45	0.78	-132	450.6
1225	6.0 L	6.97	1193	15.20	0.51	-151	183.5
1230	7.0 L	7.01	1204	15.69	0.43	-154	141.1
1235	8.25 L	7.03	1201	16.10	0.47	-146	94.3
1240	10.0 L	7.05	1177	16.73	0.71	-145	81.2
1245	11.0 L	7.06	1163	16.61	1.0	-161	79.8
1250	12.0 L	7.07	1144	16.16	1.21	-158	72.5
~~1255~~ 1300	16.0 L	7.08	1057	16.40	2.47	-117	96.4
1305	16.75 L	7.08	1048	16.28	2.69	-112	88.1

Purge Finish Time: 1315
Total Volume Purged: 17.5 L
Final Depth to Water: 80.90

Sampling Information

Wellhead Gas Measurements: NM
Sample Collection Time: 1310
Analytical Suite Collected: VOCs, DIS LEAD
QAQC Samples Collected: NONE

Notes: GOING CLEAR - TURBIDITY SENSOR MIGHT HAVE BEEN COATED

* Increase volume for 30 seconds to flush flow through cell

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-13Z

Client: CHEVRON
Project: 2ND 2007 SAIM GROUNDWATER
Project No. 500-017-010

Well Condition: GOOD
Geologist: DOUG LAM
Date: 11/19/2007

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.55'
Depth to Water: 37.75'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 6.8'
Casing Volume (Water Column x Gallons per foot): 1.09 g
Purge Volume (3 x Casing Volume): 3.27 g (12.4 L)

Purge Information

Purge Start Time: 1430
Purge Method: LOW FLOW
Flow Rate: 0.22 LPM

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1455	5.0 L	7.26	886.8	17.49	2.68	-123	73.1
1505	8.0 L	7.27	878.7	17.58	2.13	-115	15.2
1510	9.0 L	7.29	876.6	17.45	2.06	-114	8.6
1515	10.0 L	7.29	877.2	17.35	2.05	-112	4.9

Purge Finish Time: 1520
Total Volume Purged: 12 L
Final Depth to Water: 37.75'

Sampling Information

Wellhead Gas Measurements: -
Sample Collection Time: 1515
Analytical Suite Collected: VOCs, DIS LEAD
QAQC Samples Collected: NONE

Notes: TURBID TO CLEAR, NO ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-134

Client: CHEVRON
Project: 2ND 2007 SAIM GROUNDWATER
Project No. 500-017-010

Well Condition: GOOD
Geologist: DAVID LAM
Date: 11/19/2007

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 44.5'
Depth to Water: 37.78'
Depth to Product: N/A
Casing Diameter: 2"
Water Column: 6.72'
Casing Volume (Water Column x Gallons per foot): 1.08 g
Purge Volume (3 x Casing Volume): 3.24 g (12.3 L)

Purge Information

Purge Start Time: 1232
Purge Method: LOW FLOW
Flow Rate: 0.275 L/min

Time	Volume Removed (L)	pH	Specific Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1242	4.5 L	7.25	835.3	17.18	2.38	-43	508.4
1247	6.0 L	7.31	840.2	17.23	1.40	-105	312.0
1252	7.0 L	7.31	834.2	17.39	1.22	-115	220.8
1257	8.0 L	7.32	837.0	17.98	1.10	-121	163.8
1302	9.0 L	7.32	832.2	17.81	0.89	-130	84.9
1307	10.0 L	7.33	828.6	17.62	0.87	-133	69.0
1312	11.0 L	7.34	827.0	17.65	0.87	-135	62.0

Purge Finish Time: 1315
Total Volume Purged: 13.5 L
Final Depth to Water: 37.78'

Sampling Information

Wellhead Gas Measurements: —
Sample Collection Time: 1315
Analytical Suite Collected: VOCs, DIS. LEAD
QAQC Samples Collected: NONE

Notes: TURBID AT START - CLEAR TOWARDS SAMPLE TIME, NO ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-131

Client: CHEVRON
Project: 2ND 2007 SAIM GROUNDWATER
Project No. 500-017-010

Well Condition: NEW
Geologist: DUG CAM
Date: 11/20/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 43.62'
Depth to Water: 35.52'
Depth to Product: NP
Casing Diameter: ~~8.10'~~ 2"
Water Column: 8.10'
Casing Volume (Water Column x Gallons per foot): 1.3 g
Purge Volume (3 x Casing Volume): 3.9 g (14.8 L)

Purge Information

Purge Start Time: 1430
Purge Method: LOW FLOW
Flow Rate: 0.37 GPM

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1435	1.75L	7.26	710.7	17.30	0.98	-141	425.5
1440	4.0L	7.22	711.3	17.26	0.08	-262	78.6
1445	6.0L	7.14	719.1	17.21	0.02	-279	28.9
1450	8.0L	7.13	724.0	17.29	0.03	-277	19.4
1455	9.75L	7.12	722.8	17.29	0.03	-283	13.5
1500	11.50L	7.12	727.2	17.24	0.04	-287	9.3
1505	13.0L	7.11	727.2	17.28	0.04	-286	5.1

Purge Finish Time: 1510
Total Volume Purged: 16.0 L
Final Depth to Water: 35.52'

Sampling Information

Wellhead Gas Measurements: —
Sample Collection Time: 1505
Analytical Suite Collected: VOCs, DIS LEAD
QAQC Samples Collected: NONE

Notes: NO ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-35

Client:	CHEVRON	Well Condition:	GOOD NO PAD
Project:	2ND 2007 SAIM GROUNDWATER	Geologist:	DOUG CAM
Project No.	500-017-010	Date:	11/20/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	452.17' TOP METAL CASING & HINGE
Depth to Water:	44.04'
Depth to Product:	NP
Casing Diameter:	2"
Water Column:	8.13'
Casing Volume (Water Column x Gallons per foot):	1.30 g
Purge Volume (3 x Casing Volume):	3.90 g (14.8 L)

Purge Information

Purge Start Time:	1235
Purge Method:	LOW FLOW
Flow Rate:	0.36 LPM

Time	Volume Removed (L)	pH	Specific Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1245	4.5 L	-	-	-	-	-	-
1250	5.5 L	7.40	922.6	17.62	2.27	-140	293.1
1255	7.25 L	7.33	935.7	17.94	1.80	-144	98.1
1300	9.0 L	7.32	940.0	17.98	1.62	-146	56.9
1305	10.25 L	7.31	935.9	17.96	1.49	-145	29.5
1310	12.25 L	7.31	936.1	17.71	1.28	-145	13.3
1315	14.75 L	7.31	937.5	17.59	1.25	-146	12.4
1320	16.25	7.29	942.5	17.72	1.22	-144	5.1

Purge Finish Time:	1335
Total Volume Purged:	22.0 L
Final Depth to Water:	44.04'

Sampling Information

Wellhead Gas Measurements:	-
Sample Collection Time:	1325
Analytical Suite Collected:	VOC's, DIS LEAD
QAQC Samples Collected:	MW-35 MS/MSD, 112007

Notes: GOING CLEAR, NO ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-137

Client: CHEVRON
Project: 2ND 2007 SAIM GROUNDWATER
Project No. 500-017-010

Well Condition: GOOD - NEW
Geologist: DOUG LAN
Date: 11/20/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 51.42' FROM STEEL CASING @ HINGE
Depth to Water: 44.78'
Depth to Product: N/A
Casing Diameter: 2"
Water Column: 6.64'
Casing Volume (Water Column x Gallons per foot): 1.06 g
Purge Volume (3 x Casing Volume): 3.18 g (12.05 L)

Purge Information

Purge Start Time: 1025
Purge Method: LOW FLOW
Flow Rate: 0.46 L/m

Time	Volume Removed (L)	pH	Specific Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1050	14.5 L	7.40	956.6	16.39	3.94	-83	890.2
1055	16.75 L	7.40	963.7	16.80	3.77	-92	217.9
1100	18.25	7.40	963.8	16.88	3.71	-92	121.7
1105	20.0 L	7.41	961.7	16.98	3.53	-94	50.4
1110	21.5 L	7.41	961.4	17.05	3.44	-94	27.4
1115	23.0 L	7.42	960.4	17.09	3.41	-94	25.6

Purge Finish Time: 1120
Total Volume Purged: 16 L
Final Depth to Water: 44.78'

Sampling Information

Wellhead Gas Measurements: —
Sample Collection Time: 1120
Analytical Suite Collected: VOC's, DIS LEAD
QAQC Samples Collected: NONE

Notes: VERY TURBID, NO ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-114

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND 2007 1M	Geologist:	DUG LA
Project No.	300-017-010	Date:	11/27/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	~~82.25'~~ 84.2
Depth to Water:	79.04'
Depth to Product:	NP
Casing Diameter:	2"
Water Column:	~~3.21'~~ 5.16
Casing Volume (Water Column x Gallons per foot):	~~0.51g~~ 0.83g
Purge Volume (3 x Casing Volume):	~~1.5g (5.7L)~~ 2.5g (9.5L)

Purge Information

Purge Start Time:	1315
Purge Method:	LOW FLOW
Flow Rate:	0.35 LPM

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm)	Temperature (°F/°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1325	5L	6.92	~~1328~~ ~~575.3~~ *		2.82	-112	397.8
1330	7L	6.82	1373 *	* 60.36	2.59	-98	194.1
1335	8.75L	6.79	1386	60.38	2.57	-92	432.6
1340	10.0L	6.78	1680	16.10 °C	2.61	-85	220.1
1345	11.75L	6.77	1675	16.82	2.57	-77	88.1
1350	12.75L	6.79	1666	16.13	2.57	-79	47.6
1355	14.0L	6.79	1674	16.48	2.59	-73	45.1

Purge Finish Time:	1400
Total Volume Purged:	15L
Final Depth to Water:	SAME

Sampling Information

Wellhead Gas Measurements:	NM
Sample Collection Time:	1400
Analytical Suite Collected:	VOC's, DIS LEAD
QAQC Samples Collected:	NONE

Notes: TURBID NO ODOR NO SHEEN

* CONDUCTIVITY SETTINGS WRONG IN DATA LOGGER AT START - ALSO TEMP.

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-37

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND 2007 1M	Geologist:	DWC LM
Project No.	500-017-016	Date:	11/27/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	30.45'
Depth to Water:	25.89'
Depth to Product:	NP
Casing Diameter:	2"
Water Column:	4.57'
Casing Volume (Water Column x Gallons per foot):	0.73 g
Purge Volume (3 x Casing Volume):	2.2 g (8.3 L)

Purge Information

Purge Start Time: 1020
Purge Method: LOW FLOW
Flow Rate: 0.20 LPM

Time	Volume Removed	pH	µS/cm Specific Conductivity	°C Temperature	mg/L DO	mV ORP	NTU Turbidity
1030	4.0L *	6.75	1209	15.22	4.09 **	208	112.4
1035	5.25L	6.85	1208	15.38	1.20 **	117	121.6
1040	7.0	6.83	1224	14.20	8.68	-	60.3
	SENSORS FOULED - MALFUNCTIONING						
	- PULLED 3X VOLUME & SAMPLED						

Purge Finish Time: 1115
Total Volume Purged: 10 L
Final Depth to Water: 25.88'

Sampling Information

Wellhead Gas Measurements: NM
Sample Collection Time: 1110
Analytical Suite Collected: VOC's, DIS GEMO
QAQC Samples Collected: NONE

Notes:

* RW AT HIGHER FLOW FIRST TO CLEAN LINE OF DEBRIS
** CLEANED DO MEMBRANE - FOULED

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-94S

Client: CHEVRON
Project: 2ND 2007 IM
Project No. 500-017-010

Well Condition: GOOD
Geologist: DMC-LA
Date: 11/27/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 72.45'
Depth to Water: 67.36'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 5.09'
Casing Volume (Water Column x Gallons per foot): 0.8 g
Purge Volume (3 x Casing Volume): 2.4 g (9.1 L)

Purge Information

Purge Start Time: 1450
Purge Method: LOW FLOW
Flow Rate: 0.23 Lpm

Time	L Volume Removed	pH	uS/cm Specific Conductivity	°C Temperature	mg/L DO	mV ORP	NTU Turbidity
1505	3.5 L	7.03	1095	16.14	0.47	-220	333.1
1510	4.5	6.94	1116	15.09	0.21	-240	150.2
1515	5.75	6.95	1105	16.71	0.29	-218	137.5
1520	6.5 L	6.94	1087	16.25	0.26	-221	121.4
1525	8.0 L	6.92	1090	17.61	0.24	-225	109.6

Purge Finish Time: 1535
Total Volume Purged: 10 L
Final Depth to Water: 67.36'

Sampling Information

Wellhead Gas Measurements: NM
Sample Collection Time: 1530
Analytical Suite Collected: VOC's OIS LEAD
QAQC Samples Collected: NONE

Notes: TURBIDITY SENSOR NOT FUNCTIONING PROPERLY, WATER CLEAR, SLIGHT ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-48D

Client: CHEVRON
Project: 2ND 2007 IM
Project No. 500-017-010

Well Condition: OK-
Geologist: DOUG LA
Date: 11/28/2007

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 49.85'
Depth to Water: 16.69'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 33.16'
Casing Volume (Water Column x Gallons per foot): 5.31 gal
Purge Volume (3 x Casing Volume): 15.93 gal (60.4 L)

Purge Information

Purge Start Time: 1305
Purge Method: LOW FLOW
Flow Rate: 0.25 Lpm

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1310	1.5L	NOT MEASURED					
1315	2.75L	7.28	777.7	19.79	0.47	-71	166.5
1320	3.5L	7.34	803.9	19.31	0.28	-158	118.4
1325	4.75L	7.33	814.8	20.37	0.21	-181	73.6
1330	6.0L	7.35	807.4	20.20	0.17	-194	56.9
1335	7.25L	7.35	810.0	20.75	0.16	-198	38.7
1340	8.75L	7.37	802.7	20.61	0.19	-194	26.4
1345	10.0L	7.39	860.9	20.10	0.20	-194	23.8

Purge Finish Time: 1355
Total Volume Purged: 12 L
Final Depth to Water: 16.69'

Sampling Information

Wellhead Gas Measurements: -
Sample Collection Time: 1350
Analytical Suite Collected: VOC's, DIS LEAD
QAQC Samples Collected: BD2, 112807

Notes: NO ODOR, NO SHEEN, MOSTLY CLEAR - LARGE FLECKS IN SAMPLE

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-~~[illegible]~~ 485

Client: CHEVRON
Project: 2ND 2007 IM
Project No. 500-017-610

Well Condition: GOOD
Geologist: DUNCAN
Date: 11/28/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: ~~[illegible]~~ 27.35
Depth to Water: 17.36'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 9.99
Casing Volume (Water Column x Gallons per foot): 1.6 g
Purge Volume (3 x Casing Volume): 4.8 g (18.2 L)

Purge Information

Purge Start Time: 1415
Purge Method: LOW FLOW
Flow Rate: 0.34 LPM

Time	Volume Removed (L)	pH	Specific Conductivity (uS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1426	4.0L	6.90	752.5				
1430	5.0L	6.89	841.8	19.80	0.03	-269	4.1
1435	6.75L	6.88	843.5	20.04	0.03	-270	3.2

Purge Finish Time: 1445
Total Volume Purged: 8.0 L
Final Depth to Water: 17.36'

Sampling Information

Wellhead Gas Measurements: -
Sample Collection Time: 1440
Analytical Suite Collected: VOC'S, DIS LEAD
QAQC Samples Collected: NONE

Notes: ODOR, SHEEN, TUBING DISCOLORED UPON REMOVAL @ WATER LINE.

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-48I

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND 2007 IM	Geologist:	DAVE LAM
Project No.	500-017-010	Date:	11/28

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	39.95
Depth to Water:	17.32
Depth to Product:	NA
Casing Diameter:	2"
Water Column:	22.63'
Casing Volume (Water Column x Gallons per foot):	3.62 g (13.7 L)
Purge Volume (3 x Casing Volume):	10.86 g (41.2 L)

Purge Information

Purge Start Time:	1525
Purge Method:	LOW FLOW
Flow Rate:	0.25 gpm

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1535	2.0 L	7.27	857.4	19.16	0.49	-134	230.8
1540	3.25 L	7.37	858.8	19.03	0.14	-146	70.9
1545	5.0 L	7.39	858.6	20.33	0.11	-149	45.9
1550	6.25	7.42	859.1	19.63	0.08	-185	20.8
1555	7.75	7.44	863.1	19.58	0.09	-220	13.4
1600	9.0 L	7.45	859.6	19.73	0.09	-223	10.4
1605	10.25 L	7.45	863.0	19.68	0.08	-240	7.3
1610	11.5 L	7.45	865.9	19.83	0.08	-250	5.2

Purge Finish Time:	1615
Total Volume Purged:	12.0 L
Final Depth to Water:	17.32'

Sampling Information

Wellhead Gas Measurements:	—
Sample Collection Time:	1610
Analytical Suite Collected:	VOC's, DIS LEAD
QAQC Samples Collected:	NONE

Notes: NO ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-128

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND 2007 1M	Geologist:	DAVE LM
Project No.	500-017-010	Date:	11/29/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	74.91'
Depth to Water:	68.16'
Depth to Product:	NP
Casing Diameter:	2"
Water Column:	6.75'
Casing Volume (Water Column x Gallons per foot):	1.08 g (4.1 L)
Purge Volume (3 x Casing Volume):	12.3 g (46.6 L)

Purge Information

Purge Start Time:	1105
Purge Method:	LOW FLOW
Flow Rate:	0.37 gpm

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1115	4.0 L	6.90	1072	16.16	0.74	-150	1043.1
1120	6.0 L	6.89	1070	16.75	0.16	-172	418.4
1125	7.5 L	6.88	1077	16.18	0.14	-199	183.9
1130	9.0	6.87	1073	16.67	0.13	-198	152.3
1135	11.0 L	6.86	1069	17.23	0.12	-204	51.2
1140	12.25	6.86	1060	17.16	0.12	-208	35.4
1145	14.75	6.86	1071	17.26	0.11	-213	18.8
1150	16.75	6.87	1071	17.00	0.13	-215	16.8

Purge Finish Time:	1155
Total Volume Purged:	18.5
Final Depth to Water:	68.16'

Sampling Information

Wellhead Gas Measurements:	NM
Sample Collection Time:	1150
Analytical Suite Collected:	VOC's, DIS LEAD
QAQC Samples Collected:	NONE

Notes: VERY TURBID, SLIGHT ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-115D

Client:	Chevron	Well Condition:	Good
Project:	2nd 2007 IM	Geologist:	Doug Cam
Project No.	500-017-010	Date:	11/29/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	83.30
Depth to Water:	44.31
Depth to Product:	NP
Casing Diameter:	2"
Water Column:	39'
Casing Volume (Water Column x Gallons per foot):	6.25 g (23.7 L)
Purge Volume (3 x Casing Volume):	18.75 g (71 L)

Purge Information

Purge Start Time:	1335
Purge Method:	Low Flow
Flow Rate:	0.39 gpm

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1350	6.5 L	6.87	1158	14.58	0.56	-159	380.7
1355	8.0 L	6.94	1148	15.07	0.27	-213	180.9
1400	9.25	6.97	1149	14.79	0.18	-229	82.1
1405	10.75	6.99	1145	15.20	0.15	-237	54.5
1410	12.0 L	7.00	1143	14.89	0.11	-263	17.4
1415	13.5 L	7.01	1146	14.34	0.11	-256	15.3

Purge Finish Time:	1425
Total Volume Purged:	15.0 L
Final Depth to Water:	44.31'

Sampling Information

Wellhead Gas Measurements:	-
Sample Collection Time:	1420
Analytical Suite Collected:	VOC's DISSOLVED
QAQC Samples Collected:	None

Notes: CLEAR, NO ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-1155

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND 2007 IM	Geologist:	DCM LAM
Project No.	500-017-010	Date:	11/29/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	51.75
Depth to Water:	44.24
Depth to Product:	NP
Casing Diameter:	2"
Water Column:	7.51'
Casing Volume (Water Column x Gallons per foot):	1.20 g (4.5 L)
Purge Volume (3 x Casing Volume):	3.6 g (13.6 L)

Purge Information

Purge Start Time:	1439
Purge Method:	LOW FLOW
Flow Rate:	0.32 LPM

Time	L Volume Removed	pH	µS/cm Specific Conductivity	°C Temperature	mg/L DO	mV ORP	NTU Turbidity
1445	2.0 L	7.17	925.7	15.33	1.43	-249	70.2
1450	3.5 L	7.15	927.9	15.21	2.46	-284	41.3
1455	4.75 L	7.12	938.4	15.15	3.73	-272	16.6
1500	6.75	7.10	932.9	15.50	4.39	-269	9.7
1505	8.25	7.10	932.2	15.23	4.74	-274	7.5

Purge Finish Time:	1515
Total Volume Purged:	10 L
Final Depth to Water:	44.24

Sampling Information

Wellhead Gas Measurements:	-
Sample Collection Time:	1510
Analytical Suite Collected:	VOC's DISCRAP
QAQC Samples Collected:	NONE

Notes: STRONG ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-81D

Client: CHEVRON
Project: ZPO 2007 IM
Project No. 500-017-010

Well Condition: GOOD
Geologist: DMG-CA
Date: 11/30/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 99.95'
Depth to Water: 44.56'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 55.39'
Casing Volume (Water Column x Gallons per foot): 8.86 gal (32.8 L)
Purge Volume (3 x Casing Volume): 26.6 gal (98.4 L)

Purge Information

Purge Start Time: 1022
Purge Method: LOW FLOW
Flow Rate: 0.2 lpm

Time	Volume Removed (L)	pH	Specific Conductivity (uS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1025	1.0 L	7.44	901.5	14.89	5.56	-164	114.2
1030	2.25 L	7.47	906.7	15.10	6.25	-182	89.1
1035	3.25 L	7.48	907.8	15.25	5.67	-194	90.1
1040	3.75	7.50	906.1	15.04	5.32	-197	44.1
1045	4.0 L	7.50	906.6	15.27	4.84	-197	31.7
1050	5.0 L	7.50	908.5	15.30	4.44	-198	20.6
1055	6.0 L	7.50	908.0	15.75	3.90	-196	17.9
1100	7.0 L	7.50	905.8	15.64	3.38	-206	13.3
1105	8.0 L	7.51	906.6	15.80	2.94	-213	13.3
					*		

Purge Finish Time: 1115
Total Volume Purged: 9.0 L
Final Depth to Water: 44.56'

Sampling Information

Wellhead Gas Measurements: NM
Sample Collection Time: 1110
Analytical Suite Collected: VOC's, DIS LEAD
QAQC Samples Collected: NONE

Notes: CLEAR, NO ODOR, NO SHEEN

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-81S

Client:	CHEVRON	Well Condition:	GOOD
Project:	2NM 2007 IM	Geologist:	DUNCAN
Project No.	500-017-010	Date:	11/30/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	49.90
Depth to Water:	45.64
Depth to Product:	NP
Casing Diameter:	2"
Water Column:	4.26'
Casing Volume (Water Column x Gallons per foot):	0.7 gal (2.65 L)
Purge Volume (3 x Casing Volume):	2.1 gal (8.0 L)

Purge Information

Purge Start Time:	1135
Purge Method:	LOW FLOW
Flow Rate:	0.27 lpm

Time	Volume Removed (L)	pH	Specific Conductivity (uS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1140	2.0L	6.70	928.1	16.21	4.89	-129	146.5
1145	3.5L	6.75	895.8	16.47	4.35	-153	40.8
1150	4.5L	6.80	882.4	16.73	3.96	-170	18.5
1155	5.5L	6.82	874.2	17.29	3.57	-189	8.4
1200	7.0L	6.83	872.4	17.20	3.29	-215	5.0
1205	8.0L	6.89	870.4	17.24	2.92	-2.	4.9

Purge Finish Time:	1215
Total Volume Purged:	9.0L
Final Depth to Water:	45.64'

Sampling Information

Wellhead Gas Measurements:	NM
Sample Collection Time:	1210
Analytical Suite Collected:	VOCs, DISSOLVED
QAQC Samples Collected:	NONE

Notes: NO SHEEN, SLIGHT ODOR

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-101

Client: CHEVRON
Project: 2nd 2007 1M
Project No. 500-017-016

Well Condition: Good
Geologist: DOUGLAS
Date: 11/30/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 72.20'
Depth to Water: 65.94'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 6.26'
Casing Volume (Water Column x Gallons per foot): 1.0 gal (3.8 L)
Purge Volume (3 x Casing Volume): 3.0 gal (11.4 L)

Purge Information

Purge Start Time: 1340
Purge Method: Low Flow
Flow Rate: 0.45

Time	Volume Removed (L)	pH	Specific Conductivity (mS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1350	6.0L	6.93	1591	16.97	0.59	-138	88.0
1355	7.75L	6.92	1594	16.89	0.13	-148	53.9
1401	10.0L	6.89	1596	17.41	* -	-156	90.4
1406	12.0L	6.89	1584	17.43	-	-174	59.1
1410	13.5L	6.89	1577	17.21	-	-193	81.8
1415	15.75	6.88	1587	17.17	-	-203	64.4 **

Purge Finish Time: 1425
Total Volume Purged: 16.5L
Final Depth to Water: 65.94

Sampling Information

Wellhead Gas Measurements: -
Sample Collection Time: 1420
Analytical Suite Collected: VOC's, DIS LEAD
QAQC Samples Collected: NONE

Notes: NO SHEEN, STRONG ODOR, HEAVY IRON FOULING - FLOW THROUGH CELL & METER COATED - WOULD NOT FUNCTION PROPERLY

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-7

Client:	CHEVRON	Well Condition:	Good
Project:	ZM 2007 IM	Geologist:	DOUG-LAM
Project No.	500-017-016	Date:	11/30/2007

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	25.30'
Depth to Water:	22.03'
Depth to Product:	NP
Casing Diameter:	2"
Water Column:	3.27'
Casing Volume (Water Column x Gallons per foot):	0.5 gal (1.9 L)
Purge Volume (3 x Casing Volume):	1.5 gal (5.7 L)

Purge Information

Purge Start Time:	1447
Purge Method:	Low Flow
Flow Rate:	0.34 lpm

Time	Volume Removed (L)	pH	Specific Conductivity (uS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1502	6.0 L	6.72	846.8	20.62	0.11	-228	133.5
1507	8.0 L	6.84	855.0	20.50	0.03	-257	47.5
1512	9.5	7.05	839.8	19.62	0.04	-269	28.1
1517	10.75	6.94	856.9	20.71	0.03	-265	23.5
1522	12.00	6.98	850.8	20.42	0.02	-275	22.1

Purge Finish Time:	1530
Total Volume Purged:	13 L
Final Depth to Water:	22.03'

Sampling Information

Wellhead Gas Measurements:	—
Sample Collection Time:	1525
Analytical Suite Collected:	VOC's, TVS LEAD
QAQC Samples Collected:	BD3, 113007

Notes: STRONG ODOR, NO SHEEN, TURBID WITH ORGANIC "FLAKES"

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-853

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND 2007 IM	Geologist:	DENG LA
Project No.	5000-017-010	Date:	12/4/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth:	25.35'
Depth to Water:	18.56'
Depth to Product:	ND
Casing Diameter:	2"
Water Column:	~~6.85'~~ 6.79'
Casing Volume (Water Column x Gallons per foot):	1.1 gal
Purge Volume (3 x Casing Volume):	3.3 gal (12.2 L)

Purge Information

Purge Start Time:	1450
Purge Method:	LOW FLOW
Flow Rate:	0.37 Lpm

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm)	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1455	2.75L	6.95	877.4	20.44	0.14	-311	88.6
1500	5.0L	6.86	906.6	21.12	0.12	-298	249.5
1505	6.75L	6.86	911.5	20.66	0.14	-295	107.2
1510	8.0L	6.88	909.5	20.58	0.15	-291	75.6
1515	9.5L	6.89	912.6	21.24	0.15	-289	48.7
1520	10.5L	6.89	912.9	20.78	0.16	-290	29.7
1525	12.5L	6.87	920.3	21.94	0.15	-293	8.9
1530	14.75L	6.88	934.9	20.98	0.15	-288	5.1

Purge Finish Time:	1540
Total Volume Purged:	16.0L
Final Depth to Water:	18.55'

Sampling Information

Wellhead Gas Measurements:	NM
Sample Collection Time:	1535
Analytical Suite Collected:	VOC's, DIS LEAD
QAQC Samples Collected:	NONE

Notes: Very turbid @ first, going clear, strong odor, slight sheen

Trihydro CORPORATION

Groundwater Sampling Form

Well No. MW-85I

Client: CHEVRON
Project: 2ND 2007 IM
Project No. 500-017-016

Well Condition: Good
Geologist: DMG-LM
Date: 12/04/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 45.40'
Depth to Water: 19.35'
Depth to Product: NP
Casing Diameter: 2"
Water Column: 26.05'
Casing Volume (Water Column x Gallons per foot): 4.2 gal
Purge Volume (3 x Casing Volume): 12.6 gal (47 L)

Purge Information

Purge Start Time: 1205
Purge Method: LOW FLOW
Flow Rate: 0.29 LPM

Time	L Volume Removed	pH	ms/cm Specific Conductivity	°C Temperature	mg/L DO	MV ORP	NTU Turbidity
1210	2.5 L	7.45	780.8	17.32	4.48	47	132.4
1215	3.5 L	7.47	778.6	17.65	5.83	29	63.7
1220	4.25 L	7.46	782.1	17.10	5.65	19	30.6
1225	5.5 L	7.48	774.6	18.61	4.80	13	14.8
1230	6.75	7.46	778.6	17.89	4.00	10	8.0
1235	8.0 L	7.47	778.4	17.81	3.41	5	6.5
1240	9.75 L	7.47	778.3	17.95	2.76	1	4.2
1250	13 L	7.46	772.5	18.27	1.96	-8	3.9
1255	14.5 L	7.47	776.3	18.34	1.76	-11	4.2

Purge Finish Time: 1305
Total Volume Purged: 15.5 L
Final Depth to Water: 19.35'

Sampling Information

Wellhead Gas Measurements: -
Sample Collection Time: 1300
Analytical Suite Collected: VOC's DIS LEAD
QAQC Samples Collected: MW-85I MS/MSD, 120407

Notes: Going clear, no odor, no sheen

Groundwater Sampling Form

Trihydro Corporation

Well No. MW-85D

Client:	CHEVRON	Well Condition:	GOOD
Project:	2ND 2007 IM	Geologist:	Dave Lim
Project No.	~~Sa~~ 500-017-010	Date:	12/4/07

Well Information

Casing Diameter	Gallons per Foot
1.5	0.09
2	0.16
4	0.65
6	1.5
8	2.6
10	4.1

Total Depth: 68.35

Depth to Water: 18.89

Depth to Product: N/P

Casing Diameter: 2"

Water Column: 49.46'

Casing Volume (Water Column x Gallons per foot): 7.9 gal (30 L)

Purge Volume (3 x Casing Volume): 23.7 gal (90 L)

Purge Information

Purge Start Time: 1050

Purge Method: LOW FLOW

Flow Rate: 0.2 Lpm

Time	Volume Removed (L)	pH	Specific Conductivity (µS/cm) TDS	Temperature (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)
1055	2.25L	7.36	~~631.4~~ 772.0	15.10	9.19	123	29.1
1100	3.25L	7.40	736.8	15.93	8.30	95	23.0
1105	3.75L	7.42	760.4	17.22	7.27	76	22.0
1110	4.75L	7.38	766.5	17.21	6.96	72	20.3
1115	6.0L	7.41	757.2	16.30	6.41	59	13.3
1120	7.0L	7.41	743.0	16.61	5.83	49	9.7
1125	7.25L	7.42	747.8	16.00	5.61	40	8.0
1130	8.25L	7.41	753.7	16.96	5.05	34	6.9
1135	9.0L	7.42	757.0	16.61	4.74	27	5.0

Purge Finish Time: 1145

Total Volume Purged: 9.5L

Final Depth to Water: 18.89'

Sampling Information

Wellhead Gas Measurements: —

Sample Collection Time: 1140

Analytical Suite Collected: VOC's, DIS LEAD

QAQC Samples Collected: NONE

Notes: NO ODOR, NO SHEEN, CLEAR

APPENDIX B

LABORATORY ANALYTICAL REPORTS
NOVEMBER TO DECEMBER 2007 (SECOND SEMIANNUAL) MONITORING EVENT

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron
PO Box 96
North Bend OH 42052

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1066181. Samples arrived at the laboratory on Saturday, November 17, 2007. The PO# for this group is 0015007286 and the release number is 50008931.

Client Description	Lancaster Labs Number
L-4R,111007 Grab Water Sample	5216314
MW-33,110907 Grab Water Sample	5216315
MW-23,110907 Grab Water Sample	5216316
MW-104,111007 Grab Water Sample	5216317
MW-95D,111407 Grab Water Sample	5216318
MW-65D,111207 Grab Water Sample	5216319
BD1,111407 Grab Water Sample	5216320
MW-65S,111207 Grab Water Sample	5216321
MW-65I,111207 Grab Water Sample	5216322
MW-95S,111407 Grab Water Sample	5216323
MW-120,111507 Grab Water Sample	5216324
MW-26R,111407 Grab Water Sample	5216325
MW-100S,111607 Grab Water Sample	5216326
TB,111607 Water Sample	5216327

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO	Trihydro Corporation	Attn: Chris Aneiros
ELECTRONIC	Trihydro Corporation	Attn: Trihydro Database

Lancaster Laboratories

Analysis Report

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COPY TO
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,

Marla S. Lord
Senior Specialist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 5216314

L-4R,111007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/10/2007 13:40 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IML4R SDG#: HVO63-01
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:11	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/20/2007 23:02	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/20/2007 23:02	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/20/2007 23:02	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5216315

MW-33,110907 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/09/2007 16:15 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IMM33 SDG#: HVO63-02
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:14	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/20/2007 23:25	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/20/2007 23:25	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/20/2007 23:25	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5216316

MW-23,110907 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/09/2007 14:57 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IMM23 SDG#: HVO63-03
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:18	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 00:09	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 00:09	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 00:09	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5216317

MW-104,111007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/10/2007 14:50 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM104 SDG#: HVO63-04
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:21	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 00:32	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 00:32	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 00:32	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216318

MW-95D,111407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/14/2007 10:35 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM95D SDG#: HVO63-05
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:24	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 00:54	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 00:54	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 00:54	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216319

MW-65D,111207 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/12/2007 11:59 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM65D SDG#: HVO63-06
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:28	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 01:17	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 01:17	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 01:17	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216320

BD1,111407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/14/2007 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IMBD1 SDG#: HVO63-07FD
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:38	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 01:39	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 01:39	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 01:39	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216321

MW-65S,111207 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/12/2007 13:07 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM65S SDG#: HVO63-08
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:41	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 02:02	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 02:02	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 02:02	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216322

MW-65I,111207 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/12/2007 12:37 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM65I SDG#: HVO63-09
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:45	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 02:24	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 02:24	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 02:24	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216323

MW-95S,111407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/14/2007 14:30 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM95S SDG#: HVO63-10
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:48	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 02:46	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 02:46	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 02:46	Kelly E Brickley	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216323

MW-95S,111407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/14/2007 14:30 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM95S SDG#: HVO63-10

01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216324

MW-120,111507 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/15/2007 16:30 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM120 SDG#: HVO63-11
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:51	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 03:09	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 03:09	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 03:09	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216325

MW-26R,111407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/14/2007 16:00 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM26R SDG#: HVO63-12
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:55	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 07:16	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 07:16	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 07:16	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216326

MW-100S,111607 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/16/2007 13:10 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IM100 SDG#: HVO63-13
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/04/2007 01:58	Tara L Snyder	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 03:54	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 03:54	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 03:54	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	11/27/2007 00:10	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5216327

TB,111607 Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/16/2007 15:00 by DL

Account Number: 11494

Submitted: 11/17/2007 10:30
Reported: 12/04/2007 at 11:26
Discard: 02/03/2008

Chevron
PO Box 96
North Bend OH 42052

IMTB- SDG#: HVO63-14TB
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	11/21/2007 04:16	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	11/21/2007 04:16	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/21/2007 04:16	Kelly E Brickley	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1066181
Reported: 12/04/07 at 11:26 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 073301848002	Sample number(s): 5216314-5216326							
Lead	N.D.	0.0069	mg/l	97		90-113		
Batch number: L073242AA	Sample number(s): 5216314-5216327							
Benzene	N.D.	0.5	ug/l	95	95	78-119	0	30
Toluene	N.D.	0.7	ug/l	94	95	85-115	1	30
Chlorobenzene	N.D.	0.8	ug/l	96	96	85-115	1	30
Ethylbenzene	N.D.	0.8	ug/l	96	96	82-119	0	30
m+p-Xylene	N.D.	0.8	ug/l	91	93	83-113	1	30
o-Xylene	N.D.	0.8	ug/l	90	91	83-113	1	30
Xylene (Total)	N.D.	0.8	ug/l	91	92	83-113	1	30
1,3-Dichlorobenzene	N.D.	1.	ug/l	96	96	81-114	0	30
1,4-Dichlorobenzene	N.D.	1.	ug/l	98	96	84-116	2	30
1,2-Dichlorobenzene	N.D.	1.	ug/l	96	95	81-112	1	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 073301848002	Sample number(s): 5216314-5216326 UNSPK: P216436 BKG: P216436								
Lead	103	108	75-125	5	20	N.D.	N.D.	0 (1)	20
Batch number: L073242AA	Sample number(s): 5216314-5216327 UNSPK: 5216315								
Benzene	103		83-128						
Toluene	100		83-127						
Chlorobenzene	101		83-120						
Ethylbenzene	104		82-129						
m+p-Xylene	98		82-130						
o-Xylene	95		82-130						
Xylene (Total)	97		82-130						
1,3-Dichlorobenzene	101		79-123						
1,4-Dichlorobenzene	101		81-122						
1,2-Dichlorobenzene	99		82-117						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1066181
Reported: 12/04/07 at 11:26 AM

Surrogate Quality Control

Analysis Name: PPL + Xylene (total) by 8260
Batch number: L073242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5216314	106	99	105	98
5216315	106	97	101	96
5216316	104	95	106	101
5216317	106	98	105	97
5216318	107	96	104	97
5216319	106	98	104	97
5216320	107	98	104	97
5216321	106	98	102	96
5216322	106	99	104	96
5216323	107	97	104	96
5216324	107	97	105	96
5216325	107	96	105	96
5216326	107	96	105	95
5216327	107	99	105	96
Blank	106	96	105	97
LCS	105	98	107	106
LCSD	106	97	107	105
MS	105	97	107	106
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. # 11494 Group# 1066181 Sample # 5216314-27

COC # 0165359

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC: ______
SCR#: ______

(1)
Client: Chevron Acct. #: 11494
Project Name/#: SAIM Groundwater PWSID #: ______
Project Manager: Chris Anevros P.O.#: 500-017-010
Sampler: Doug Lam Quote #: ______
Name of state where samples were collected: OHIO

(5) Analyses Requested — Preservation Codes

Preservation Codes
H=HCl T=Thiosulfate
$N=HNO_3$ B=NaOH
$S=H_2SO_4$ O=Other

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Soil	Water (Potable / NPDES Applicable)	Other	(4) Total # of Containers	VOC 8260	Lead Dissolved							Remarks	(6) Temperature of samples upon receipt (if requested)
L-4R, 111007	11/10/07	1340	X			X		4	3	1							SEE ATTACHED ANALYTE LIST	
MW-33, 110907	11/09/07	1615	X			X		4	3	1								
MW-23, 110907	11/09/07	1457	X			X		4	3	1								
MW-104, 111007	11/10/07	1450	X			X		4	3	1								
MW-95D, 111407	11/14/07	10:35	X			X		4	3	1								
MW-65D, 111207	11/12/07	11:59	X			X		4	3	1								
~~BD~~ BD1, 111407	11/14/07	—	X			X		4	3	1								
MW-65S, 111207	11/12/07	13:07	X			X		4	3	1								
MW-65I, 111207	11/12/07	12:37	X			X		4	3	1								
MW-95S, 111407	11/14/07	14:30	X			X		4	3	1							Metals Container Partially Filled	

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: ______
Rush results requested by (please circle): Phone Fax E-mail
Phone #: ______ Fax #: ______
E-mail address: ______

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
(Type II (Tier II)) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No
Site-specific QC (MS/MSD/(Dup))? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / (No)

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11/16/07	2000			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: [signature]	11/17/07	1030

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 11494 Group# 1066181 Sample # 5216314-27

COC # 0165360

Please print. Instructions on reverse side correspond with circled numbers.

(1)
Client: Chevron Acct. #: 11494
Project Name/#: SAIM Groundwater PWSID #:
Project Manager: Chris Anaris P.O.#: 500-017-010
Sampler: Doug Lem Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(5) Analyses Requested — Preservation Codes

(6) Temperature of samples upon receipt (if requested)

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Matrix: Soil	Water (Potable / NPDES)	Other	(4) Total # of Containers	VOC 8260	Dissolved Lead	Remarks
MW-120, 111507	11-15-07	1630	X			X		4	3	1	SEE ATTACHED ANALYTE LIST
MW-26R, 111407	11-14-07	1600	X			X		4	3	1	
MW-100S, 111607	11-16-07	1310	X			X		4	3	1	Metals Containers Partially filled.
TB, 111607	11-16-07	1500	X			X		2	2		

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

(9)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11/16/07	2000			
			[signature]	11/17/07	1030

Constituents of Concern, Chevron Cincinnati Facility, Interim Measures (IM) Groundwater Monitoring

Volatile Organic Constituents

- Benzene
- Chlorobenzene
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Ethylbenzene
- Toluene
- Xylenes
- Xylene -m
- Xylene -o
- Xylene -p

Metals

Dissolved Lead

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron
PO Box 96
North Bend OH 42052

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1067172. Samples arrived at the laboratory on Wednesday, November 28, 2007. The PO# for this group is 0015007286 and the release number is 50008931.

Client Description	Lancaster Labs Number
MW-134,111907 Grab Water Sample	5221159
MW-132,111907 Grab Water Sample	5221160
MW-133,112007 Grab Water Sample	5221161
MW-131,112007 Grab Water Sample	5221162
MW-35,112007_Unspiked Grab Water Sample	5221163
MW-35,112007MS_Matrix_Spike Grab Water Sample	5221164
MW-35,112007MSD_Matrix_Spike_Dup Grab Water Sample	5221165
MW-35,112007_Duplicate Grab Water Sample	5221166
TRIP_BLANK,112707 Water Sample	5221167

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO	Trihydro Corporation	Attn: Chris Aneiros
ELECTRONIC COPY TO	Trihydro Corporation	Attn: Trihydro Database
1 COPY TO	Data Package Group	

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,

Max E. Snavely
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5221159

MW-134,111907 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/19/2007 13:15 by DL

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IM134 SDG#: HVO64-01
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/07/2007 15:46	Eric L Eby	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/01/2007 06:50	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/01/2007 06:50	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/01/2007 06:50	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/03/2007 19:44	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5221160

MW-132,111907 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/19/2007 15:15 by DL

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IM132 SDG#: HVO64-02
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/07/2007 15:49	Eric L Eby	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/01/2007 07:14	Kelly E Brickley	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/01/2007 07:14	Kelly E Brickley	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/01/2007 07:14	Kelly E Brickley	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/03/2007 19:44	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5221161

MW-133,112007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/20/2007 11:20 by DL

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IM133 SDG#: HVO64-03
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/07/2007 16:00	Eric L Eby	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/03/2007 02:54	Holly Berry	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/03/2007 02:54	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/03/2007 02:54	Holly Berry	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/03/2007 19:44	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5221162

MW-131,112007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/20/2007 15:05 by DL

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IM131 SDG#: HVO64-04
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/07/2007 16:03	Eric L Eby	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/03/2007 03:18	Holly Berry	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/03/2007 03:18	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/03/2007 03:18	Holly Berry	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/03/2007 19:44	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5221163

MW-35,112007_Unspiked Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/20/2007 13:25 by DL

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IM-35 SDG#: HVO64-05BKG
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/07/2007 15:24	Eric L Eby	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/03/2007 03:42	Holly Berry	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/03/2007 03:42	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/03/2007 03:42	Holly Berry	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/03/2007 19:44	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5221164

MW-35,112007MS_Matrix_Spike Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/20/2007 13:25 by DL

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IM-35 SDG#: HVO64-05MS
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.128	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	41.	0.8	ug/l	1
05417	o-Xylene	95-47-6	20.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	19.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	20.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	19.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	22.	0.5	ug/l	1
05407	Toluene	108-88-3	22.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	22.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	61.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/07/2007 15:35	Eric L Eby	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/03/2007 04:07	Holly Berry	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/03/2007 04:07	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/03/2007 04:07	Holly Berry	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/03/2007 19:44	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5221165

MW-35,112007MSD_Matrix_Spike_Dup Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/20/2007 13:25 by DL

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IM-35 SDG#: HVO64-05MSD
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.125	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	42.	0.8	ug/l	1
05417	o-Xylene	95-47-6	21.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	20.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	20.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	20.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	23.	0.5	ug/l	1
05407	Toluene	108-88-3	22.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	21.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	22.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	62.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/07/2007 15:39	Eric L Eby	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/03/2007 04:31	Holly Berry	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/03/2007 04:31	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/03/2007 04:31	Holly Berry	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/03/2007 19:44	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5221166

MW-35,112007_Duplicate Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/20/2007 13:25 by DL

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IM-35 SDG#: HVO64-05DUP
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/07/2007 15:32	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/03/2007 19:44	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5221167

TRIP_BLANK,112707 Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/27/2007 17:00

Account Number: 11494

Submitted: 11/28/2007 09:50
Reported: 12/09/2007 at 20:12
Discard: 02/08/2008

Chevron
PO Box 96
North Bend OH 42052

IMTRB SDG#: HVO64-06TB
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/03/2007 02:30	Holly Berry	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/03/2007 02:30	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/03/2007 02:30	Holly Berry	1

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1067172
Reported: 12/09/07 at 08:12 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 073371848003	Sample number(s): 5221159-5221166							
Lead	N.D.	0.0069	mg/l	101		90-113		
Batch number: W073342AA	Sample number(s): 5221159-5221160							
Benzene	N.D.	0.5	ug/l	99		78-119		
Toluene	N.D.	0.7	ug/l	100		85-115		
Chlorobenzene	N.D.	0.8	ug/l	96		85-115		
Ethylbenzene	N.D.	0.8	ug/l	101		82-119		
m+p-Xylene	N.D.	0.8	ug/l	95		83-113		
o-Xylene	N.D.	0.8	ug/l	95		83-113		
Xylene (Total)	N.D.	0.8	ug/l	95		83-113		
1,3-Dichlorobenzene	N.D.	1.	ug/l	95		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	95		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	94		81-112		
Batch number: W073361AA	Sample number(s): 5221161-5221165,5221167							
Benzene	N.D.	0.5	ug/l	102		78-119		
Toluene	N.D.	0.7	ug/l	100		85-115		
Chlorobenzene	N.D.	0.8	ug/l	95		85-115		
Ethylbenzene	N.D.	0.8	ug/l	99		82-119		
m+p-Xylene	N.D.	0.8	ug/l	93		83-113		
o-Xylene	N.D.	0.8	ug/l	94		83-113		
Xylene (Total)	N.D.	0.8	ug/l	93		83-113		
1,3-Dichlorobenzene	N.D.	1.	ug/l	91		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	91		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	92		81-112		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 073371848003	Sample number(s): 5221159-5221166 UNSPK: 5221163 BKG: 5221163								
Lead	106	105	75-125	2	20	N.D.	N.D.	0 (1)	20
Batch number: W073342AA	Sample number(s): 5221159-5221160 UNSPK: P221604								
Benzene	106	106	83-128	0	30				
Toluene	106	106	83-127	0	30				
Chlorobenzene	97	97	83-120	1	30				
Ethylbenzene	105	105	82-129	0	30				
m+p-Xylene	97	98	82-130	1	30				
o-Xylene	98	97	82-130	1	30				
Xylene (Total)	97	98	82-130	0	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1067172
Reported: 12/09/07 at 08:12 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,3-Dichlorobenzene	94	94	79-123	1	30				
1,4-Dichlorobenzene	96	95	81-122	2	30				
1,2-Dichlorobenzene	95	92	82-117	3	30				
Batch number: W073361AA	Sample number(s): 5221161-5221165,5221167 UNSPK: 5221163								
Benzene	112	114	83-128	2	30				
Toluene	109	112	83-127	3	30				
Chlorobenzene	100	104	83-120	3	30				
Ethylbenzene	109	112	82-129	3	30				
m+p-Xylene	102	104	82-130	2	30				
o-Xylene	101	104	82-130	3	30				
Xylene (Total)	102	104	82-130	2	30				
1,3-Dichlorobenzene	97	98	79-123	1	30				
1,4-Dichlorobenzene	98	98	81-122	1	30				
1,2-Dichlorobenzene	96	98	82-117	2	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PPL + Xylene (total) by 8260
Batch number: W073342AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5221159	91	94	101	96
5221160	91	94	100	95
Blank	90	94	98	93
LCS	92	93	98	96
MS	92	94	100	98
MSD	93	96	101	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: W073361AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5221161	92	95	98	95
5221162	92	94	98	96
5221163	91	95	98	96
5221164	95	92	99	99
5221165	95	98	98	99
5221167	90	94	97	95
Blank	92	95	97	96
LCS	94	94	98	98
MS	95	92	99	99
MSD	95	98	98	99
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1067172
Reported: 12/09/07 at 08:12 PM

Surrogate Quality Control

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 11494 Group# 106712 Sample # 5221159-67

COC # 0165355

Please print. Instructions on reverse side correspond with circled numbers. Cooler temp 0.8°C

For Lab Use Only
FSC:
SCR#: 50673

(1) Client: CHEVRON - CINCINNATI Acct. #: 11494

Project Name/#: 2ND 2007 SAMM GROUNDWATER WSID #:

Project Manager: DOUG LAM P.O.#:

Sampler: DOUG LAM Quote #:

Name of state where samples were collected: OHIO

(5) Analyses Requested — Preservation Codes

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	(4) Matrix: Soil	Water	Other	Total # of Containers	H: PPL VOC 8260	N: Dis. LEAD	Remarks
MW-134, 111907	11/19/07	1315	X			X		4	X	X	SEE ATTACHED ANALYTE LIST
MW-132, 111907	11/19/07	1515	X			X		4	X	X	
MW-133, 112007	11/20/07	1120	X			X		4	X	X	
MW-131, 112007	11/20/07	1505	X			X		4	X	X	
MW-35, 112007	11/20/07	1325	X			X		4	X	X	
MW-35 MS/MSD, 112007	11/20/07	1325	X			X		8	X	X	-MS/MSD SAMPLES-
TRIP BLANK, 112707	11/27/07	1700	X			X		2	X		
											NOTE: DISSOLVED LEAD SAMPLES WERE FIELD FILTERED

(6) Temperature of samples received (if required)

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: DEC 15, 2007
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #:
E-mail address: dlam@trihydro.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? (Yes) No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes (No)

Relinquished by:	Date	Time	Received by:	Date	Time
	10-30-07	0819		10/31/07	1030
	11/27/07	2000			
				11-28-07	0950

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Constituents of Concern, Chevron Cincinnati Facility, Interim Measures (IM) Groundwater Monitoring

Volatile Organic Constituents

Benzene ✓
Chlorobenzene ✓
1,2-Dichlorobenzene ✓
1,3-Dichlorobenzene ✓
1,4-Dichlorobenzene ✓
Ethylbenzene ✓
Toluene ✓
Xylenes ✓
Xylene -m ✓
Xylene -o ✓
Xylene -p ✓

Metals

Dissolved Lead

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron
PO Box 96
North Bend OH 42052

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1067775. Samples arrived at the laboratory on Saturday, December 01, 2007. The PO# for this group is 0015007286 and the release number is 50008931.

Client Description	Lancaster Labs Number
MW-37,112707 Grab Water Sample	5225483
MW-114,112707 Grab Water Sample	5225484
MW-94S,112707 Grab Water Sample	5225485
MW-48D,112807 Grab Water Sample	5225486
MW-48S,112807 Grab Water Sample	5225487
MW-48I,112807 Grab Water Sample	5225488
ER1,112907 Grab Water Sample	5225489
MW-128,112907 Grab Water Sample	5225490
MW-115D,112907 Grab Water Sample	5225491
MW-115S,112907 Grab Water Sample	5225492
MW-81D,113007 Grab Water Sample	5225493
MW-81S,113007 Grab Water Sample	5225494
MW-101,113007 Grab Water Sample	5225495
MW-7,113007 Grab Water Sample	5225496
BD2,112807 Grab Water Sample	5225497
BD3,113007 Grab Water Sample	5225498
TripBlank,113007 Water Sample	5225499

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

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Analysis Report

1 COPY TO	Trihydro Corporation	Attn: Chris Aneiros
ELECTRONIC COPY TO	Trihydro Corporation	Attn: Trihydro Database
1 COPY TO	Data Package Group	
ELECTRONIC COPY TO	Trihydro Corporation	Attn: Doug Lam

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,

Christine Dulaney
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5225483

MW-37,112707 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/27/2007 11:10 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW37- SDG#: HVO64-07
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 19:15	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 03:55	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 03:55	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 03:55	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225484

MW-114,112707 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/27/2007 14:00 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW114 SDG#: HVO64-08
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 19:37	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 04:17	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 04:17	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 04:17	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225485

MW-94S,112707 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/27/2007 15:30 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW94S SDG#: HVO64-09
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
06371	8260 Special Cmpds for Waters						
05416	m+p-Xylene	n.a.	N.D.		0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.		0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
07582	PPL + Xylene (total) by 8260						
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	4.	J	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.		0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 19:41	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 05:01	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 05:01	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 05:01	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225486

MW-48D,112807 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/28/2007 13:50 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW48D SDG#: HVO64-10
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 19:51	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 04:39	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 04:39	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 04:39	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225487

MW-48S,112807 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/28/2007 14:40 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW48S SDG#: HVO64-11
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
06371	8260 Special Cmpds for Waters						
05416	m+p-Xylene	n.a.	190.		0.8	ug/l	1
05417	o-Xylene	95-47-6	23.		0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
07582	PPL + Xylene (total) by 8260						
05401	Benzene	71-43-2	2.	J	0.5	ug/l	1
05407	Toluene	108-88-3	1.	J	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	9.		0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	210.		0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 19:55	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 10:54	Stephanie A Selis	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 10:54	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 10:54	Stephanie A Selis	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225488

MW-48I,112807 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/28/2007 16:10 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW48I SDG#: HVO64-12
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 19:58	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 11:39	Stephanie A Selis	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 11:39	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 11:39	Stephanie A Selis	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225489

ER1,112907 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/29/2007 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

ER1-- SDG#: HVO64-13EB
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:02	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 12:01	Stephanie A Selis	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 12:01	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 12:01	Stephanie A Selis	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225490

MW-128,112907 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/29/2007 11:50 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW128 SDG#: HVO64-14
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
06371	8260 Special Cmpds for Waters						
05416	m+p-Xylene	n.a.	16.		0.8	ug/l	1
05417	o-Xylene	95-47-6	0.9	J	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
07582	PPL + Xylene (total) by 8260						
05401	Benzene	71-43-2	2.	J	0.5	ug/l	1
05407	Toluene	108-88-3	2.	J	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	8.		0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	17.		0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:06	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 12:23	Stephanie A Selis	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 12:23	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 12:23	Stephanie A Selis	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225491

MW-115D,112907 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/29/2007 14:20 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

M115D SDG#: HVO64-15
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:09	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 13:08	Stephanie A Selis	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 13:08	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 13:08	Stephanie A Selis	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225492

MW-115S,112907 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/29/2007 15:10 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

M115S SDG#: HVO64-16
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
06371	8260 Special Cmpds for Waters						
05416	m+p-Xylene	n.a.	0.8	J	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.		0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
07582	PPL + Xylene (total) by 8260						
05401	Benzene	71-43-2	7.		0.5	ug/l	1
05407	Toluene	108-88-3	1.	J	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	0.9	J	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	0.8	J	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:13	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 00:56	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 00:56	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 00:56	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225493

MW-81D,113007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/30/2007 11:10 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW81D SDG#: HVO64-17
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:16	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 01:18	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 01:18	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 01:18	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225494

MW-81S,113007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/30/2007 12:10 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW81S SDG#: HVO64-18
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
06371	8260 Special Cmpds for Waters						
05416	m+p-Xylene	n.a.	47.		0.8	ug/l	1
05417	o-Xylene	95-47-6	1.	J	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
07582	PPL + Xylene (total) by 8260						
05401	Benzene	71-43-2	67.		0.5	ug/l	1
05407	Toluene	108-88-3	3.	J	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	49.		0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	48.		0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:20	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 02:25	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 02:25	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 02:25	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225495

MW-101,113007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/30/2007 14:20 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW101 SDG#: HVO64-19
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
06371	8260 Special Cmpds for Waters						
05416	m+p-Xylene	n.a.	1.	J	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.		0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
07582	PPL + Xylene (total) by 8260						
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	3.	J	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	1.	J	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:24	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 01:40	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 01:40	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 01:40	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225496

MW-7,113007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/30/2007 15:25 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

MW-7- SDG#: HVO64-20
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
06371	8260 Special Cmpds for Waters						
05416	m+p-Xylene	n.a.	8.		0.8	ug/l	1
05417	o-Xylene	95-47-6	1.	J	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
07582	PPL + Xylene (total) by 8260						
05401	Benzene	71-43-2	16.		0.5	ug/l	1
05407	Toluene	108-88-3	1.	J	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	1.	J	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	9.		0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:34	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 03:10	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 03:10	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 03:10	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225497

BD2,112807 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/28/2007 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

-BD2- SDG#: HVO64-21FD
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:38	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 02:03	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 02:03	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 02:03	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225498

BD3,113007 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/30/2007 by DL

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

-BD3- SDG#: HVO64-22FD
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
06371	8260 Special Cmpds for Waters						
05416	m+p-Xylene	n.a.	12.		0.8	ug/l	1
05417	o-Xylene	95-47-6	2.	J	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
07582	PPL + Xylene (total) by 8260						
05401	Benzene	71-43-2	28.		0.5	ug/l	1
05407	Toluene	108-88-3	2.	J	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	2.	J	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	15.		0.8	ug/l	1

This sample was filtered in the field for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/12/2007 20:42	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 02:47	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 02:47	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 02:47	Sara E Wolf	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/04/2007 23:45	Helen L Schaeffer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5225499

TripBlank,113007 Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:11/30/2007

Account Number: 11494

Submitted: 12/01/2007 11:00
Reported: 12/17/2007 at 12:55
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IMGTB SDG#: HVO64-23TB*
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/06/2007 00:34	Sara E Wolf	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/06/2007 00:34	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/06/2007 00:34	Sara E Wolf	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1067775
Reported: 12/17/07 at 12:55 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 073381848006	Sample number(s): 5225483-5225498							
Lead	N.D.	0.0069	mg/l	104		90-113		
Batch number: L073391AA	Sample number(s): 5225483-5225486,5225492-5225499							
Benzene	N.D.	0.5	ug/l	98		78-119		
Toluene	N.D.	0.7	ug/l	98		85-115		
Chlorobenzene	N.D.	0.8	ug/l	97		85-115		
Ethylbenzene	N.D.	0.8	ug/l	96		82-119		
m+p-Xylene	N.D.	0.8	ug/l	97		83-113		
o-Xylene	N.D.	0.8	ug/l	97		83-113		
Xylene (Total)	N.D.	0.8	ug/l	97		83-113		
1,3-Dichlorobenzene	N.D.	1.	ug/l	95		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	94		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	94		81-112		
Batch number: L073401AA	Sample number(s): 5225487-5225491							
Benzene	N.D.	0.5	ug/l	94		78-119		
Toluene	N.D.	0.7	ug/l	95		85-115		
Chlorobenzene	N.D.	0.8	ug/l	93		85-115		
Ethylbenzene	N.D.	0.8	ug/l	94		82-119		
m+p-Xylene	N.D.	0.8	ug/l	95		83-113		
o-Xylene	N.D.	0.8	ug/l	96		83-113		
Xylene (Total)	N.D.	0.8	ug/l	95		83-113		
1,3-Dichlorobenzene	N.D.	1.	ug/l	93		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	92		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	92		81-112		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 073381848006	Sample number(s): 5225483-5225498 UNSPK: 5225483 BKG: 5225483								
Lead	106	108	75-125	2	20	N.D.	N.D.	0 (1)	20
Batch number: L073391AA	Sample number(s): 5225483-5225486,5225492-5225499 UNSPK: P225844								
Benzene	101	101	83-128	0	30				
Toluene	105	104	83-127	1	30				
Chlorobenzene	99	99	83-120	0	30				
Ethylbenzene	102	101	82-129	1	30				
m+p-Xylene	103	102	82-130	1	30				
o-Xylene	111	112	82-130	0	30				
Xylene (Total)	106	105	82-130	0	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1067775
Reported: 12/17/07 at 12:55 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,3-Dichlorobenzene	98	97	79-123	1	30				
1,4-Dichlorobenzene	98	97	81-122	1	30				
1,2-Dichlorobenzene	99	96	82-117	3	30				
Batch number: L073401AA	Sample number(s): 5225487-5225491 UNSPK: P222156								
Benzene	107	109	83-128	1	30				
Toluene	105	107	83-127	2	30				
Chlorobenzene	173*	176*	83-120	1	30				
Ethylbenzene	104	105	82-129	1	30				
m+p-Xylene	105	106	82-130	1	30				
o-Xylene	105	106	82-130	1	30				
Xylene (Total)	105	106	82-130	1	30				
1,3-Dichlorobenzene	105	107	79-123	2	30				
1,4-Dichlorobenzene	100	102	81-122	1	30				
1,2-Dichlorobenzene	98	100	82-117	2	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PPL + Xylene (total) by 8260
Batch number: L073391AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5225483	105	104	107	96
5225484	106	106	108	96
5225485	105	106	108	100
5225486	107	106	108	96
5225492	107	105	109	99
5225493	106	105	108	96
5225494	105	106	109	99
5225495	105	104	108	99
5225496	105	104	108	98
5225497	106	105	107	95
5225498	106	105	108	99
5225499	108	105	107	96
Blank	108	105	108	97
LCS	107	107	110	103
MS	105	104	110	103
MSD	105	107	110	103
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: L073401AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5225487	105	105	108	100
5225488	106	105	107	96

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1067775
Reported: 12/17/07 at 12:55 PM

Surrogate Quality Control

5225489	106	105	107	96
5225490	105	104	109	100
5225491	105	105	107	96
Blank	106	105	107	97
LCS	105	104	110	101
MS	105	107	110	101
MSD	105	104	110	101
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 11494 Group# 1067775 Sample # 5225483-99

COC # 0165356

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: TRIHYDRO CHEVRON - CINCINNATI Acct. #: 11494

Project Name/#: 2ND 2007 SAM GROUNDWATER PWSID #:

Project Manager: DOUG LAM P.O.#: 500-017-0V0

Sampler: DOUG LAM Quote #:

Name of state where samples were collected: OHIO

(4) Matrix

(5) Analyses Requested — Preservation Codes

For Lab Use Only
FSC:
SCR#:

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6)

COC 1 OF 2

(2) Sample Identification	Date Collected	Time Collected	(3) # of Containers	Soil	Water	Other	Total # of Containers	PPL VOC 8260	DISSOLVED LEAD
MW-37, 112707	11/27/07	1110	X		X		4	X	X
MW-114, 112707	11/27/07	1400	X		X		4	X	X
MW-94S, 112707	11/27/07	1530	X		X		4	X	X
MW-48D, 112807	11/28/07	1350	X		X		4	X	X
MW-48S, 112807	11/28/07	1440	X		X		4	X	X
MW-48I, 112807	11/28/07	1610	X		X		4	X	X
ER1, 112907	11/29/07	-	X		X		4	X	X
MW-128, 112907	11/29/07	1150	X		X		4	X	X
MW-115D, 112907	11/29/07	1420	X		X		4	X	X
MW-115S, 112907	11/29/07	1510	X		X		4	X	X

Remarks

SEE ATTACHED ANALYTE LIST

NOTE: DISSOLVED LEAD SAMPLES WERE FIELD FILTERED

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: DEC 12-21, 2007
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #:
E-mail address: diane trihydro.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg) TX TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

Site-specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / (No)

Relinquished by:	Date	Time	Received by:	Date	Time
	11/30/07	2000			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	12/6/07	1120

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 11494 Group# 1067775 Sample # 5225483-99

COC # 0165357

Please print. Instructions on reverse side correspond with circled numbers.

For Lab Use Only
FSC:
SCR#:

(1) Client: TRIHYDRO CHEVRON -CINCINNATI Acct. #: 11494

Project Name/#: 2ND 2007 SAMP GROUNDWATER PWSID #:

Project Manager: DOUG LAM P.O.#: 500-017-010

Sampler: Doug Lam Quote #:

Name of state where samples were collected: OHIO

(4) Matrix

(5) Analyses Requested — Preservation Codes

(2) Sample Identification	Date Collected	Time Collected	(3) Grab	Composite	Soil	Water	Other	Total # of Containers	H	N	PPL VOC 8260	DISSOLVED LEAD
MW-81D, 113007	11/30/07	1110	X			X		4	X	X		
MW-81S, 11308	11/30/07	1210	X			X		4	X	X		
MW-101, 113007	11/30/07	1420	X			X		4	X	X		
MW-7, 113007	11/30/07	1525	X			X		4	X	X		
BD2, 112807	11/28/07	—	X			X		4	X	X		
BD3, 113007	11/30/07	—	X			X		4	X	X		
TRIP BLANK, 113007	11/30/07	—	X			X		2	X			

JPL JPL JPL JPL JH JPL

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Total # of Containers

COC 2 OF 2

Remarks

SEE ATTACHED ANALYTE LIST

NOTE: DISSOLVED LEAD SAMPLES WERE FIELD FILTERED.

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: DEC 17-21, 2007
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #:
E-mail address: dlam@trihydro.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
Type II (Tier II)
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

Relinquished by:	Date	Time	Received by:	Date	Time
	11/30/07	2000			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				11/30/07	1100

(9)

11494
1067775 / 5225483 -99

Constituents of Concern, Chevron Cincinnati Facility, Semi-Annual Interim Measures (IM) Groundwater Monitoring

Job # 500-017-010

Volatile Organic Constituents

- Benzene
- Chlorobenzene
- 1,2-Dichlorobenzene
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- Ethylbenzene
- Toluene
- Xylenes
- Xylene -m
- Xylene -o
- Xylene -p

Metals

Dissolved Lead

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron
PO Box 96
North Bend OH 42052

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1068767. Samples arrived at the laboratory on Friday, December 07, 2007. The PO# for this group is 0015007286 and the release number is 50008931.

Client Description	Lancaster Labs Number
MW-85D,120407 Grab Water Sample	5231231
MW-85I,120407_Unspiked Grab Water Sample	5231232
MW-85I,120407_Matrix_Spike Grab Water Sample	5231233
MW-85I,120407_Matrix_Spike_Dup Grab Water Sample	5231234
MW-85I,120407_Duplicate Grab Water Sample	5231235
MW-85S,120407 Grab Water Sample	5231236
ER2,120407 Grab Water Sample	5231237
Trip_Blank,120607 Water Sample	5231238

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO	Trihydro Corporation	Attn: Chris Aneiros
ELECTRONIC COPY TO	Trihydro Corporation	Attn: Trihydro Database
1 COPY TO	Data Package Group	
ELECTRONIC COPY TO	Trihydro Corporation	Attn: Doug Lam

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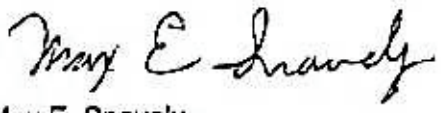
Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,



Max E. Snavely
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5231231

MW-85D,120407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/04/2007 11:40 by DL

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IM85D SDG#: HVO65-01
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/13/2007 21:11	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/12/2007 08:25	Anita M Dale	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/12/2007 08:25	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2007 08:25	Anita M Dale	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/12/2007 19:36	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5231232

MW-85I,120407_Unspiked Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/04/2007 13:00 by DL

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IM85I SDG#: HVO65-02BKG
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/13/2007 20:17	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/12/2007 08:48	Anita M Dale	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/12/2007 08:48	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2007 08:48	Anita M Dale	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/12/2007 19:36	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5231233

MW-85I,120407_Matrix_Spike Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/04/2007 13:00 by DL

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IM85I SDG#: HVO65-02MS
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.122	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	44.	0.8	ug/l	1
05417	o-Xylene	95-47-6	22.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	21.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	21.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	21.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	22.	0.5	ug/l	1
05407	Toluene	108-88-3	22.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	22.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	22.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	66.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/13/2007 20:26	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/12/2007 09:10	Anita M Dale	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/12/2007 09:10	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2007 09:10	Anita M Dale	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/12/2007 19:36	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5231234

MW-85I,120407_Matrix_Spike_Dup Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/04/2007 13:00 by DL

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IM85I SDG#: HVO65-02MSD
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.122	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	44.	0.8	ug/l	1
05417	o-Xylene	95-47-6	22.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	21.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	21.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	21.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	22.	0.5	ug/l	1
05407	Toluene	108-88-3	22.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	22.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	22.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	67.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/13/2007 20:29	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/12/2007 09:32	Anita M Dale	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/12/2007 09:32	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2007 09:32	Anita M Dale	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/12/2007 19:36	James L Mertz	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5231235

MW-85I,120407_Duplicate Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/04/2007 13:00 by DL

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IM85I SDG#: HVO65-02DUP
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/13/2007 20:23	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/12/2007 19:36	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5231236

MW-85S,120407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/04/2007 15:35 by DL

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IM85S SDG#: HVO65-03
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.0095 J	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	280.	8.	ug/l	10
05417	o-Xylene	95-47-6	14.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	2. J	0.5	ug/l	1
05407	Toluene	108-88-3	4. J	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	370.	8.	ug/l	10
06310	Xylene (Total)	1330-20-7	290.	8.	ug/l	10

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/13/2007 21:14	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/12/2007 09:55	Anita M Dale	10
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/12/2007 17:00	Anita M Dale	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/12/2007 09:55	Anita M Dale	10
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/12/2007 17:00	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2007 17:00	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	12/12/2007 09:55	Anita M Dale	10
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/12/2007 19:36	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5231236

MW-85S,120407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/04/2007 15:35 by DL

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IM85S SDG#: HVO65-03

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Analysis Report

Lancaster Laboratories Sample No. WW 5231237

ER2,120407 Grab Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/04/2007 09:00 by DL

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IMERB SDG#: HVO65-04EB
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

This sample was field filtered for dissolved metals.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	12/13/2007 21:22	John P Hook	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/12/2007 10:17	Anita M Dale	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/12/2007 10:17	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2007 10:17	Anita M Dale	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	12/12/2007 19:36	James L Mertz	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5231238

Trip_Blank,120607 Water Sample
Interim Measures (IM) Groundwater Monitoring

Collected:12/06/2007

Account Number: 11494

Submitted: 12/07/2007 10:15
Reported: 12/17/2007 at 17:38
Discard: 02/16/2008

Chevron
PO Box 96
North Bend OH 42052

IM-TB SDG#: HVO65-05TB
I 5E w

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06371	8260 Special Cmpds for Waters					
05416	m+p-Xylene	n.a.	N.D.	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
07582	PPL + Xylene (total) by 8260					
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	12/12/2007 10:39	Anita M Dale	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	12/12/2007 10:39	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/12/2007 10:39	Anita M Dale	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron Group Number: 1068767
Reported: 12/17/07 at 05:38 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 073461848003	Sample number(s): 5231231-5231237							
Lead	N.D.	0.0069	mg/l	100		90-113		
Batch number: L073461AA	Sample number(s): 5231231-5231234,5231236-5231238							
Benzene	N.D.	0.5	ug/l	99		78-119		
Toluene	N.D.	0.7	ug/l	100		85-115		
Chlorobenzene	N.D.	0.8	ug/l	102		85-115		
Ethylbenzene	N.D.	0.8	ug/l	100		82-119		
m+p-Xylene	N.D.	0.8	ug/l	102		83-113		
o-Xylene	N.D.	0.8	ug/l	103		83-113		
Xylene (Total)	N.D.	0.8	ug/l	102		83-113		
1,3-Dichlorobenzene	N.D.	1.	ug/l	101		81-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	100		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	100		81-112		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 073461848003	Sample number(s): 5231231-5231237 UNSPK: 5231232 BKG: 5231232								
Lead	101	102	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: L073461AA	Sample number(s): 5231231-5231234,5231236-5231238 UNSPK: 5231232								
Benzene	109	109	83-128	0	30				
Toluene	109	109	83-127	0	30				
Chlorobenzene	108	109	83-120	1	30				
Ethylbenzene	109	109	82-129	0	30				
m+p-Xylene	110	110	82-130	0	30				
o-Xylene	111	112	82-130	1	30				
Xylene (Total)	110	111	82-130	1	30				
1,3-Dichlorobenzene	107	106	79-123	1	30				
1,4-Dichlorobenzene	106	105	81-122	0	30				
1,2-Dichlorobenzene	106	107	82-117	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1068767
Reported: 12/17/07 at 05:38 PM

Surrogate Quality Control

Analysis Name: PPL + Xylene (total) by 8260
Batch number: L073461AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5231231	110	107	104	98
5231232	109	107	104	97
5231233	108	106	107	103
5231234	109	108	108	103
5231236	108	108	110	104
5231237	109	106	104	98
5231238	110	108	104	98
Blank	110	107	104	98
LCS	108	105	108	104
MS	108	106	107	103
MSD	109	108	108	103
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. # 11494 Group# 1068767 Sample # 5231231-38

COC # 0165358

Please print. Instructions on reverse side correspond with circled numbers. Cooler temp 2.1°C

(1) TRIHYDRO
Client: CHEVRON - CINCINNATI Acct. #: 11494
Project Name/#: 2ND 2007 SAIM GROUNDWATER PWSID #: SDG JDL
Project Manager: DOUG LAM P.O.#: 500-017-010
Sampler: DOUG LAM Quote #:
Name of state where samples were collected: OHIO

For Lab Use Only
FSC:
SCR#:

(2) Sample Identification	Date Collected	Time Collected	(3) # of containers	Matrix: Water	(4) Total # of containers	(5) Analyses Requested: Preservation Codes H	N	VOC 8260	DISSOLVED LEAD
MW-85D, 120407	12/4/07	1140	X	X	4	X	X		
MW-85I, 120407	12/4/07	1300	X	X	4	X	X		
MW-85I MS/MSD, 120407	12/4/07	1300	X	X	8	X	X		
MW-85S, 120407	12/4/07	1535	X	X	4	X	X		
ER2, 120407	12/4/07	0900	X	X	4	X	X		
TRIP BLANK, 120607	12/6/07	-	X	X	2	X			

Preservation Codes
H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

(6) Remarks

SEE ATTACHED ANALYTE LIST 2

NOTE: DISSOLVED LEAD SAMPLES WERE FIELD FILTERED

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed: DEC 30, 2007
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 513-353-1323 Fax #:
E-mail address: dlam@trihydro.com

(8) **Data Package Options** (please circle if required)
Type I (validation/NJ Reg)
~~Type II (Tier II)~~
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)
TX TRRP-13
MA MCP CT RCP
SDG Complete? Yes No
Site-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal COC Required? Yes / No

Relinquished by:	Date	Time	Received by:	Date	Time
	12/6/07	2000			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: Deborah Neal	12/7/07	1015

(9)

Lancaster Laboratories, Inc., 2425 New Holland Pike, Lancaster, PA 17601 (717) 656-2300 Fax: (717) 656-6766
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

2102.03

Constituents of Concern, Chevron Cincinnati Facility, Interim Measures (IM) Groundwater Monitoring

Volatile Organic Constituents

Benzene
Chlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
Ethylbenzene
Toluene
Xylenes
Xylene -m
Xylene -o
Xylene -p

Metals

Dissolved Lead

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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APPENDIX C

DATA VALIDATION REPORTS

NOVEMBER TO DECEMBER 2007 (SECOND SEMIANNUAL) MONITORING EVENT

Tier 3 Data Validation Report Summary

Client: Chevron-Cincinnati	Laboratory: Lancaster Laboratories
Project Name: Interim Measures Groundwater Monitoring	Sample Matrix: Water
Project Number: 500-017-010	Sample Start Date: 11/9/2007
Date Validated: 2/11/2008	Sample End Date: 11/16/2007
Parameters: VOCs (8260B), Lead (EPA 6010B)	
Laboratory Project ID: SDG: HVO63, Sample Group: 1066181	
Data Validator: Andy Smith, Environmental Chemist	

DATA EVALUATION CRITERIA SUMMARY

A Tier III data validation was performed by Trihydro Corporation's Data Validation Group on the analytical data report package generated by Lancaster Laboratories evaluating samples from Cincinnati Soils Remedy, Hooven, Ohio. Precision, accuracy, method compliance, and completeness of this data package were assessed during this data review. Precision was determined by evaluating the calculated RPD values of samples from field duplicates pairs and laboratory duplicates pairs. Laboratory accuracy was established by reviewing the demonstrated percent recovery of matrix spike (MS), matrix spike duplicates (MSD), and laboratory control samples (LCS) to verify that none of the data were biased. Method compliance was established by reviewing holding times, detection limits, surrogate recoveries, method blanks, and laboratory control samples against method specific requirements. Completeness was evaluated by determining the overall ratio of the number of samples planned versus the number of samples with valid analyses. Determination of completeness included a review of the chain-of-custody, laboratory analytical methods, and all other necessary documents associated with this analytical data set.

SAMPLE NUMBERS TABLE

Client Sample ID	Sample Number	Laboratory Sample Code
L-4R, 111007 Grab Water Sample	5216314	IML4R
MW-33, 110907 Grab Water Sample	5216315	IMM33
MW-23, 110907 Grab Water Sample	5216316	IMM23
MW-104, 111007, Grab Water Sample	5216317	IM104
MW-95D, 111407, Grab Water Sample	5216318	IM95D
MW-65D, 111207 Grab Water Sample	5216319	IM65D
BD1, 111207 Grab Water Sample	5216320	IMBD1
MW-65S, 111207 Grab Water Sample	5216321	IM65S
MW-65I, 111207 Grab Water Sample	5216322	IM65I
MW-95S, 111407 Grab Water Sample	5216323	IM95S
MW-120, 111507 Grab Water Sample	5216324	IM120
MW-26R, 111407 Grab Water Sample	5216325	IM26R
MW-100S, 111607 Grab Water Sample	5216326	IM100
TB, 111607 Water Sample	5216327	IMTB-

Tier 3 Data Validation Report Summary

The samples were analyzed for client-specified analytes. The samples were shipped to Lancaster Laboratories, Lancaster, PA, under chain-of-custody documents 0165359 and 0165360. The laboratory data were reviewed to evaluate compliance with the required methods and the quality of the reported data. A leading check mark (✓) indicates that the referenced data were deemed acceptable. A preceding crossed circle (⊗) signifies problems with the referenced data that may have warranted attaching qualifiers to the data.

- ✓ Data Completeness
- ✓ Holding Times and Preservation
- ✓ Calibrations
- ✓ Blanks
- ✓ System Monitoring Compounds
- ✓ Laboratory Control Samples (LCS/LCSD)
- ✓ Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- ✓ Field Duplicates

OVERALL DATA PACKAGE ASSESSMENT

Based on a data validation review, the data are acceptable as delivered. No data was qualified by the laboratory. The purpose of validating data and assigning qualifiers is to assist in proper data interpretation. Data which are not qualified meet the site data quality objectives. If values are assigned a "J" or "UJ" qualifier, the data may be used for site evaluation, with the reasons for qualification being given consideration when interpreting sample concentrations. Data points which are assigned an "R" qualifier should not be used for any site evaluation purposes. No data points were qualified as a result of this data validation review. All method detection limits (MDLs) were found to be acceptable and within client specified criteria.

Data Completeness

All analyses were performed as requested on the chain-of-custody records. All samples were received by the laboratory and analyzed properly. The complete data package consisted of 143 data points, total. No data points were rejected. The data completeness measure for this data package is 100%.

Table 1. General Validation Criteria Checklist	
1. Did the laboratory identify any non-conformances related to the analytical data?	Yes
Comments: The vial submitted for sample 5216323 did not have a pH <2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 4.	
2. Were sample chain-of-custody forms complete?	Yes
Comments: The chain-of-custody forms appeared to be complete from the field to the laboratory.	
3. Were detection limits in accordance with the QAPP, permit, or method?	Yes
Comments: Requirements for detection limits were not supplied by the project manager, but appeared acceptable since no dilutions were required for analysis.	
4. Were the requested analytical methods in compliance with the QAPP, permit, or COC?	Yes
Comments: All constituents requested on the chain-of-custody form were reported.	
5. Were samples received in good condition?	No
Comments: Samples were received in good condition at a temperature of 3.8º Celsius with the exception of sample, MW-95S, 111407 Grab Water Sample, which was reported with a pH of 4 at the time of analysis. As a result, the technical holding time of seven days will be used to evaluate the VOC data.	
6. Were sample holding times met?	Yes
Comments: Samples were analyzed within method required holding times and technical holding times.	
7. Were correct concentration units reported?	Yes
Comments: Metals were reported in concentration units of mg/L and VOCs were reported in µg/L, which is appropriate for the analysis of water samples.	
8. Do the laboratory reports include all constituents requested to be reported for a specific analytical method?	Yes
Comments: All constituents and analyses requested on the chain-of-custody form were reported by the laboratory.	
9. Were the reporting requirements for flagged data met?	N/A
Comments: No data were qualified by the laboratory for this data set by the laboratory.	
10. Were field duplicates collected on a 10% basis?	No
Comments: One blind duplicate (BD1, 111407 Grab Water Sample), for 12 samples, was collected as a duplicate of MW-26R, 111407 Grab Water Sample. However, this is part of an ongoing sampling event and the lack of duplicates does not affect the quality of the data.	
11. Were field duplicate RPD values less than 30%?	Yes
Comments: All results for both samples were non-detect.	
12. Were equipment blanks, trip blanks, and field blanks collected on a 10% basis?	No
Comments: One trip blank and no equipment blanks or field blanks were collected during this sampling event; however, this is part of an ongoing sampling event and the lack of blanks does not affect the quality of the data.	
13. Were detections found in trip blanks, equipment blanks, or field blanks?	No
Comments: No detections were reported in the trip blank associated with this data sets.	

Table 2. Validation Criteria Checklist for VOC analyses (8260B)	
1. Were the initial and continuous calibration verifications within acceptable limits?	Yes
Comments: Initial and continuous calibration data appeared to be within quality control limits for all reported analytes.	
2. Was the instrument tuning results within method control limits?	Yes
Comments: Instrument performance checks were performed in accordance with the EPA guidance and all ion abundance criteria appeared to be within the control limits.	
3. Were the internal standards within method control limits?	Yes
Comments: The volatile internal standard area and retention time summary results were acceptable.	
4. Were method blank samples analyzed on a 5% basis?	Yes
Comments: Method blank samples were prepared and analyzed on a greater than 5% frequency.	
5. Were method blank detections reported for this data set?	No
Comments: There were no detections of reportable VOC analytes in the method blanks associated with this sample set.	
6. Were laboratory control samples analyzed on a 5% basis?	Yes
Comments: Laboratory control samples were prepared and analyzed on a greater than 5% frequency.	
7. Were laboratory control recoveries within acceptable limits?	Yes
Comments: For batch L073242AA, all LCS recovery result for target analytes were within acceptable quality control limits.	
8. Were matrix spike samples prepared on a 5% basis?	Yes
Comments: The laboratory prepared and analyzed one matrix spike sample from client samples MW-33, 110907 Grab Water Sample.	
9. Were matrix spike recoveries within acceptable limits?	Yes
Comments: For batch L073242AA, all matrix spike sample recovery results for target analytes were within acceptable quality control limits. The RPD values were all below the maximum acceptable limit of 30%.	
10. Were surrogate recoveries within control limits?	Yes
Comments: The surrogate recoveries for all samples were within acceptable limits of dibromofluoromethane (80-116%R), 1,2-dichloroethane-d4 (77-116%R), toluene-d8 (80-113%R), and 4-bromofluorobenzene (78-113%R).	
11. General Comments: The Method 8260B results are accepted as reported by the laboratory.	

Table 3. Validation Criteria Checklist for Metal Analyses (6010B)	
1. Were the initial and continuous calibration standards within acceptable limits?	Yes
Comments: One initial calibration and four continuing calibration verifications were reported with this data set. All recoveries were within the acceptable limits.	
2. Were the instrument tunings within method control limits?	Yes
Comments: The percent recovery values for the low level ICP checks were within acceptable limits (103.3-104.0%). The percent recoveries for the initial and final interference checks were within acceptable control limits (92.4-94.6%). Serial dilutions were in accordance with the EPA guidance.	
3. Were the internal standards within method control limits?	N/A
Comments: Internal standards were not used in the analysis of metals.	
4. Were preparation blank samples analyzed on a 5% basis?	Yes
Comments: Preparation blank samples were prepared and analyzed on a greater than 5% basis.	
5. Were preparation blank detections reported for this data set?	No
Comments: No detections were reported for the preparation blanks associated with this data set.	
6. Were laboratory control samples analyzed on a 5% basis?	Yes
Comments: The laboratory analyzed LCSs on a greater than 5% frequency.	
7. Were laboratory control recoveries within acceptable limits?	Yes
Comments: Laboratory control sample results were within the quality control limits.	
8. Were matrix spike samples prepared on a 5% basis?	Yes
Comments: One MS/MSD sample pair was analyzed by the laboratory to document precision and accuracy in this analytical group. The MS/MSD pair was not prepared from samples associated with this data set.	
9. Were matrix spike recoveries within acceptable limits?	Yes
Comments: All matrix spike recoveries for metal analysis and reported RPD values were within the acceptable control limits.	
General Comments: The metals data are accepted as issued by the laboratory.	

Tier 3 Data Validation Report Summary

Client: Chevron-Cincinnati	Laboratory: Lancaster Laboratories
Project Name: Interim Measures Groundwater Monitoring	Sample Matrix: Water
Project Number: 500-017-010	Sample Start Date: See Laboratory Project ID
Date Validated: 1/16/2008	Sample End Date: See Laboratory Project ID
Parameters: VOCs (8260B0, ICP Digest (3005A), Lead (6010B)	
Laboratory Project ID: HVO-64 1067172 (samples collected 11/19/2007 to 11/20/2007) 1067775 (samples collected 11/27/2007 to 11/30/2007)	
Data Validator: Andy Smith, Environmental Chemist	

DATA EVALUATION CRITERIA SUMMARY

A Tier III data validation was performed by Trihydro Corporation's Data Validation Group on the analytical data report package generated by Lancaster Laboratories evaluating samples from Chevron Cincinnati Facility, Hooven, OH. Precision, accuracy, method compliance, and completeness of this data package were assessed during this data review. Precision was determined by evaluating the calculated RPD values of samples from field duplicates pairs and laboratory duplicates pairs. Laboratory accuracy was established by reviewing the demonstrated percent recovery of matrix spike (MS), matrix spike duplicates (MSD), and laboratory control samples (LCS) to verify that none of the data were biased. Method compliance was established by reviewing holding times, detection limits, surrogate recoveries, method blanks, and laboratory control samples against method specific requirements. Completeness was evaluated by determining the overall ratio of the number of samples planned versus the number of samples with valid analyses. Determination of completeness included a review of the chain-of-custody, laboratory analytical methods, and all other necessary documents associated with this analytical data set.

SAMPLE NUMBERS TABLE

Client Sample ID	Sample Number	Laboratory Sample Code
Data Set 1067172		
MW-134, 111907 Grab Water Sample	5221159	IM134
MW-132, 111907 Grab Water Sample	5221160	IM132
MW-133, 112007 Grab Water Sample	5221161	IM133
MW-131, 112007 Grab Water Sample	5221162	IM131
MW-35, 112007_Unspiked Grab Water Sample	5221163	IM-35
MW-35, 112007MS_Matrix_Spike Grab Water Sample	5221164	IM-35
MW-35, 112007MSD_Matrix_Spike_Dup Grab Water Sample	5221165	IM-35
MW-35, 112007_Duplicate Grab Water Sample	5221166	IM-35
TRIP_BLANK, 112707 Water Sample	5221167	IMTRB
Data Set 1067775		
MW-37, 112707 Grab Water Sample	5225483	MW37-
MW-114, 112707 Grab Water Sample	5225484	MW114
MW-94S, 112707 Grab Water Sample	5225485	MW94S
MW-48D, 112807 Grab Water Sample	5225486	MW48D
MW-48S, 112807 Grab Water Sample	5225487	MW48S
MW-48I, 112807 Grab Water Sample	5225488	MW48I
ER1, 112907 Grab Water Sample	5225489	ER1--
MW-128, 112907 Grab Water Sample	5225490	MW128
MW-115D, 112907 Grab Water Sample	5225491	M115D
MW-115S, 112907 Grab Water Sample	5225492	M115S

Tier 3 Data Validation Report Summary

Client Sample ID	Sample Number	Laboratory Sample Code
MW-81D, 113007 Grab Water Sample	5225493	MW81D
MW-81S, 113007 Grab Water Sample	5225494	MW81S
MW-101, 113007 Grab Water Sample	5225495	MW101
MW-7, 113007 Grab Water Sample	5225496	MW-7-
BD2, 112807 Grab Water Sample	5225497	-BD2-
BD3, 113007 Grab Water Sample	5225498	-BD3-
TripBlank, 113007 Water Sample	5225499	IMGTB

Tier 3 Data Validation Report Summary

The samples were analyzed for client-specified analytes. The samples were shipped to Lancaster Laboratories under chain-of-custody documents 0165355, 0165356, and 0165357. The laboratory data were reviewed to evaluate compliance with the required methods and the quality of the reported data. A leading check mark (✓) indicates that the referenced data were deemed acceptable. A preceding crossed circle (⊗) signifies problems with the referenced data that may have warranted attaching qualifiers to the data.

- ✓ Data Completeness
- ✓ Holding Times and Preservation
- ✓ Calibrations
- ✓ Blanks
- ✓ System Monitoring Compounds
- ✓ Laboratory Control Samples (LCS/LCSD)
- ✓ Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- ⊗ Field Duplicates

OVERALL DATA PACKAGE ASSESSMENT

Based on a data validation review, the data are acceptable as delivered with the changes noted below. Lancaster Laboratories qualified a total of 21 data points with "J" data flags in this data set. The laboratory assigned data qualifiers were reviewed and found to be valid and correct. The purpose of validating data and assigning qualifiers is to assist in proper data interpretation. Data which are not qualified meet the site data quality objectives. If values are assigned a "J" or "UJ" qualifier, the data may be used for site evaluation, with the reasons for qualification being given consideration when interpreting sample concentrations. Data points which are assigned an "R" qualifier should not be used for any site evaluation purposes. A total of 12 additional data points were qualified with "J" or "UJ" data flags as a result of this data validation review. All method detection limits (MDLs) were found to be acceptable and within client specified criteria. Some of the qualified data points are useful only for qualitative purposes with the professional judgment of the project manager and associated technical staff.

Data Completeness

All analyses were performed as requested on the chain-of-custody records. All samples were received by the laboratory and analyzed properly. The complete data package consisted of 231 data points, total. No data points were rejected. The data completeness measure for this data package is 100%.

Table 1. General Validation Criteria Checklist	
1. Did the laboratory identify any non-conformances related to the analytical data? Comments: The laboratory did not note any non-conformances.	No
2. Were sample chain-of-custody forms complete? Comments: The chain-of-custody forms were completely filled out and correctly relinquished.	Yes
3. Were detection limits in accordance with the QAPP, permit, or method? Comments: All detection limits appeared to be acceptable. No dilutions were required.	Yes
4. Were the requested analytical methods in compliance with the QAPP, permit, or COC? Comments: The laboratory analyzed all samples as requested by the client on the chain-of-custody documents.	Yes
5. Were samples received in good condition? Comments: The samples were received by the laboratory in good condition, within a temperature range of 0.8°C and 2.6°C. No data were qualified as a result of the low temperature because no bottles were broken or frozen.	Yes
6. Were sample holding times met? Comments: All sample holding times were met by the laboratory.	Yes
7. Were the results reported in correct concentration units? Comments: All results for lead were reported in mg/L and result for VOCs were reported in µg/L, which is acceptable for the respective water matrix.	Yes
8. Do the laboratory reports include all constituents requested to be reported for a specific analytical method? Comments: The laboratory reported all required analytical constituents.	Yes
9. Were the reporting requirements for flagged data met? Comments: Several data points were flagged by the laboratory as "J" indicating that the result is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ).	Yes
10. Were field duplicates collected on a 10% basis? Comments: For data set 1067775, blind duplicate (BD2) was collected as a duplicate of MW-48D and blind duplicate (BD3) was collected as duplicate of MW-7.	Yes
11. Were field duplicate RPD values less than 50%? Comments: For the blind duplicate pair, BD3/MW-7, the following analytes had calculated RPDs above the acceptable 30%: m+p xylene (40.0%), o-xylene (66.7%), benzene (54.5%), toluene (66.7%), ethylbenzene (66.7%), and total xylenes (50.0%). As a result of high RPD values the analytes for the blind duplicate pair will be qualified as "J" for poor repeatability.	No
12. Were equipment blanks and field blanks collected on a 10% basis? Comments: One equipment blank (ER-1, 112907) and two trip blanks were submitted as part of the sampling event.	Yes
13. Were detections found in trip blanks, equipment blanks, or field blanks? Comments: There were no detections reported in the respective blanks.	No

Table 2. Validation Criteria Checklist for VOC analyses (8260B)	
1. Were the initial and continuous calibration verifications within acceptable limits?	No
Comments: There were two initial calibrations and four continuous calibrations reported with this data package. In four of the six total calibrations, 1,2-dichloroethane was reported with an RRF result less than 0.05. No qualification is necessary since this was not a reported analyte. Calibrations for this analysis were performed using a heated purge. The EPA Guidelines for Organic Data Review states that all initial calibrations for water and low-level soil samples should be performed with an unheated purge. No data will be qualified based solely on these criteria.	
2. Was the instrument tuning results within method control limits?	Yes
Comments: Instrument performance checks were performed in accordance with the EPA guidance and all ion abundance criteria appeared to be within the control limits.	
3. Were the internal standards within method control limits?	Yes
Comments: The volatile internal standard area and retention time summary results were acceptable.	
4. Were method blank samples analyzed on a 5% basis?	Yes
Comments: Method blank samples were prepared and analyzed on a greater than 5% frequency.	
5. Were method blank detections reported for this data set?	No
Comments: There were no detections of reportable VOC analytes in the method blanks associated with this sample set.	
6. Were laboratory control samples analyzed on a 5% basis?	Yes
Comments: One LCS was analyzed with each batch. No laboratory control sample duplicates (LCSD) were reported with this data set.	
7. Were laboratory control recoveries within acceptable limits?	Yes
Comments: Laboratory control sample recoveries for target analytes were within quality control limits.	
8. Were matrix spike samples prepared on a 5% basis?	Yes
Comments: The laboratory prepared and analyzed four matrix spike and matrix spike duplicate samples. Batch W073342AA, L073401AA, and L073391AA were prepared from samples not associated with this data set. Batch W073361AA was prepared from sample MW-35.	
9. Were matrix spike recoveries within acceptable limits?	Yes
Comments: In batch L073401AA, chlorobenzene (173% and 176%; acceptable range 83-120% were recovered outside of acceptable limits. No data were qualified since the MS/MSD pair was not prepared from a sample associated with this client's data.	
10. Were surrogate recoveries within control limits?	Yes
Comments: The surrogate recoveries for all samples were within acceptable limit for dibromofluoromethane (80-116%R), 1,2-dichloroethane-d4 (77-113%R), toluene-d8 (80-113%R), and 4-bromofluorobenzene (78-113%R).	
11. General Comments: The Method 8260B results are accepted as reported by the laboratory.	

Table 3. Validation Criteria Checklist for Metal Analyses (6010B)	
1. Were the initial and continuous calibration standards within acceptable limits?	Yes
Comments: Two initial calibrations and eight continuing calibration verifications were reported with this data set. All recoveries were within the acceptable limits.	
2. Were the instrument tunings within method control limits?	No
Comments: The percent recovery values for the low level ICP checks were within acceptable limits (92.7 – 107.3%). The percent recoveries for the initial and final interference checks were within acceptable control limits (81.0-84.6%). Serial dilutions were in accordance with the EPA guidance.	
3. Were the internal standards within method control limits?	No
Comments: Internal standards were not used in the analysis of metals.	
4. Were preparation blank samples analyzed on a 5% basis?	Yes
Comments: Preparation blank samples were prepared and analyzed on a greater than 5% basis.	
5. Were preparation blank detections reported for this data set?	No
Comments: No detections were reported for the preparation blanks associated with this data set.	
6. Were laboratory control samples analyzed on a 5% basis?	Yes
Comments: The laboratory analyzed LCSs on a greater than 5% frequency.	
7. Were laboratory control recoveries within acceptable limits?	Yes
Comments: There were a total of two LCSs were analyzed by the laboratory to document precision and accuracy in this analytical group. The recoveries of all reportable metals in the LCS samples were acceptable.	
8. Were matrix spike samples prepared on a 5% basis?	Yes
Comments: Two MS/MSD pairs were prepared for lead in these data sets. Batch 073371848003 was prepared from sample MW-35. Batch 073381848006 was prepared from sample MW-37.	
9. Were matrix spike recoveries within acceptable limits?	Yes
Comments: All matrix spike recoveries for metal analysis and reported RPD values were within the acceptable control limits.	
General Comments: The metals data are accepted as issued by the laboratory, with the additional qualifications noted in item #2, above.	

Table 4. Data Qualification, Former Texaco Cincinnati Refinery, Hooven, OH (1067172 and 1067775)

Lab Sample ID	Field Sample ID	Analyte	Result (ug/L)	Qualifier	Reviewer Qualifier Reason
5225496	MW-7	m+p-xylene	8	J	High RPD, poor repeatability
5225496	MW-7	o-xylene	1	J	High RPD, poor repeatability
5225496	MW-7	Benzene	16	J	High RPD, poor repeatability
5225496	MW-7	Toluene	1	J	High RPD, poor repeatability
5225496	MW-7	Ethylbenzene	1	J	High RPD, poor repeatability
5225496	MW-7	Xylene (total)	9	J	High RPD, poor repeatability
5225498	BD-3	m+p-xylene	12	J	High RPD, poor repeatability
5225498	BD-3	o-xylene	2	J	High RPD, poor repeatability
5225498	BD-3	Benzene	28	J	High RPD, poor repeatability
5225498	BD-3	Toluene	2	J	High RPD, poor repeatability
5225498	BD-3	Ethylbenzene	2	J	High RPD, poor repeatability
5225498	BD-3	Xylene (total)	15	J	High RPD, poor repeatability

J – Estimated value
UJ – Value estimated below the reporting limit

Table 5. Blind Duplicate Summary, Former Texaco Cincinnati Refinery, Hooven, OH (1067775)

Parent MW-7; Duplicate: BD-3			
Analyte	**Laboratory Result**	**Duplicate Result**	**Relative Percent Difference (RPD)**
m+p-xylene	8 µg/L	12 µg/L	**40.0%**
o-xylene	1 µg/L	2 µg/L	**66.7%**
Benzene	16 µg/L	28 µg/L	**54.5%**
Toluene	1 µg/L	2 µg/L	**66.7%**
Ethylbenzene	1 µg/L	2 µg/L	**66.7%**
Xylene (total)	9 µg/L	15 µg/L	**50.0%**

Field duplicate RPD control limits should not exceed 30% for aqueous samples, and 50% for solid samples as established by USEPA Region 1 Laboratory Data Validation Function Guidelines for Evaluation of Organic Analysis, February 1988. The bolded RPD values may indicate poor repeatability and all associated data will be qualified as a result.

Tier 3 Data Validation Report Summary

Client: Chevron-Cincinnati	Laboratory: Lancaster Laboratories
Project Name: Interim Measures Groundwater Monitoring	Sample Matrix: Water
Project Number: 500-017-010	Sample Start Date: 12/4/2007
Date Validated: 2/11/2008	Sample End Date: 12/6/2007
Parameters: VOCs (8260B), Lead (EPA 6010B)	
Laboratory Project ID: SDG: HVO65, Sample Group: 1068767	
Data Validator: Andy Smith, Environmental Chemist	

DATA EVALUATION CRITERIA SUMMARY

A Tier III data validation was performed by Trihydro Corporation's Data Validation Group on the analytical data report package generated by Lancaster Laboratories evaluating samples from Cincinnati Soils Remedy, Hooven, Ohio. Precision, accuracy, method compliance, and completeness of this data package were assessed during this data review. Precision was determined by evaluating the calculated RPD values of samples from field duplicates pairs and laboratory duplicates pairs. Laboratory accuracy was established by reviewing the demonstrated percent recovery of matrix spike (MS), matrix spike duplicates (MSD), and laboratory control samples (LCS) to verify that none of the data were biased. Method compliance was established by reviewing holding times, detection limits, surrogate recoveries, method blanks, and laboratory control samples against method specific requirements. Completeness was evaluated by determining the overall ratio of the number of samples planned versus the number of samples with valid analyses. Determination of completeness included a review of the chain-of-custody, laboratory analytical methods, and all other necessary documents associated with this analytical data set.

SAMPLE NUMBERS TABLE

Client Sample ID	Sample Number	Laboratory Sample Code
MW-85D, 120407 Grab Water Sample	5231231	IM85D
MW-85I, 120407_Unspiked Grab Water Sample	5231232	IM85I
MW-85I, 120407_Matrix_Spike Grab Water Sample	5231233	IM85I
MW-85I, 120407_Matrix_Spike_Dup Grab Water Sample	5231234	IM85I
MW-85I, 120407_Duplicate Grab Water Sample	5231235	IM85I
MW-85S, 120407 Grab Water Sample	5231236	IM85S
ER2, 120407 Grab Water Sample	5231237	IMERB
Trip_Blank, 120607 Water Sample	5231238	IM-TB

Tier 3 Data Validation Report Summary

The samples were analyzed for client-specified analytes. The samples were shipped to Lancaster Laboratories, Lancaster, PA, under chain-of-custody documents 0165358. The laboratory data were reviewed to evaluate compliance with the required methods and the quality of the reported data. A leading check mark (✓) indicates that the referenced data were deemed acceptable. A preceding crossed circle (⊗) signifies problems with the referenced data that may have warranted attaching qualifiers to the data.

- ✓ Data Completeness
- ✓ Holding Times and Preservation
- ✓ Calibrations
- ✓ Blanks
- ✓ System Monitoring Compounds
- ✓ Laboratory Control Samples (LCS/LCSD)
- ✓ Matrix Spike/Matrix Spike Duplicate (MS/MSD)
- ⊗ Field Duplicates

OVERALL DATA PACKAGE ASSESSMENT

Based on a data validation review, the data are acceptable as delivered. Three data point were qualified as "J" by the laboratory. The purpose of validating data and assigning qualifiers is to assist in proper data interpretation. Data which are not qualified meet the site data quality objectives. If values are assigned a "J" or "UJ" qualifier, the data may be used for site evaluation, with the reasons for qualification being given consideration when interpreting sample concentrations. Data points which are assigned an "R" qualifier should not be used for any site evaluation purposes. No data points were qualified as a result of this data validation review. All method detection limits (MDLs) were found to be acceptable and within client specified criteria. Some of the qualified data points are useful only for qualitative purposes with the professional judgment of the project manager and associated technical staff.

Data Completeness

All analyses were performed as requested on the chain-of-custody records. All samples were received by the laboratory and analyzed properly. The complete data package consisted of 44 data points, total. No data points were rejected. The data completeness measure for this data package is 100%.

Table 1. General Validation Criteria Checklist	
1. Did the laboratory identify any non-conformances related to the analytical data? Comments: No non-conformances were noted by the laboratory.	No
2. Were sample chain-of-custody forms complete? Comments: The chain-of-custody forms appeared to be complete from the field to the laboratory.	Yes
3. Were detection limits in accordance with the QAPP, permit, or method? Comments: Requirements for detection limits were not supplied by the project manager, but appeared acceptable since all diluted samples were reported with target analyte detections.	Yes
4. Were the requested analytical methods in compliance with the QAPP, permit, or COC? Comments: All constituents requested on the chain-of-custody form were reported.	Yes
5. Were samples received in good condition? Comments: Samples were received in good condition at a temperature of 2.1º Celsius.	Yes
6. Were sample holding times met? Comments: Samples were analyzed within method required holding times.	Yes
7. Were correct concentration units reported? Comments: Metals were reported in concentration units of mg/L and VOCs were reported in µg/L, which is appropriate for the analysis of water samples.	Yes
8. Do the laboratory reports include all constituents requested to be reported for a specific analytical method? Comments: All constituents and analyses requested on the chain-of-custody form were reported by the laboratory.	Yes
9. Were the reporting requirements for flagged data met? Comments: The laboratory qualified three data points as "J" indicating that the result is greater than or equal to the Method Detection Limit (MDL) and less than the Limit of Quantitation (LOQ).	Yes
10. Were field duplicates collected on a 10% basis? Comments: No blind duplicates were collected as a part of this sampling event; however, this is part of an ongoing sampling event and the lack of duplicates does not affect the quality of the data.	No
11. Were field duplicate RPD values less than 30%? Comments: N/A	N/A
12. Were equipment blanks, trip blanks, and field blanks collected on a 10% basis? Comments: One trip blank and one equipment blank were collected during this sampling event and no field blanks were collected; however, this is part of an ongoing sampling event and the lack of blanks does not affect the quality of the data.	Yes
13. Were detections found in trip blanks, equipment blanks, or field blanks? Comments: No detections were reported in the trip blank or equipment blank associated with this data set.	No

Table 2. Validation Criteria Checklist for VOC analyses (8260B)	
1. Were the initial and continuous calibration verifications within acceptable limits?	Yes
Comments: Initial and continuous calibration data appeared to be within quality control limits for all reported analytes.	
2. Was the instrument tuning results within method control limits?	Yes
Comments: Instrument performance checks were performed in accordance with the EPA guidance and all ion abundance criteria appeared to be within the control limits.	
3. Were the internal standards within method control limits?	Yes
Comments: The volatile internal standard area and retention time summary results were acceptable.	
4. Were method blank samples analyzed on a 5% basis?	Yes
Comments: Method blank samples were prepared and analyzed on a greater than 5% frequency.	
5. Were method blank detections reported for this data set?	No
Comments: There were no detections of reportable VOC analytes in the method blanks associated with this sample set.	
6. Were laboratory control samples analyzed on a 5% basis?	Yes
Comments: Laboratory control samples were prepared and analyzed on a greater than 5% frequency.	
7. Were laboratory control recoveries within acceptable limits?	Yes
Comments: For batch L073461AA, all LCS recovery results for target analytes were within acceptable quality control limits.	
8. Were matrix spike samples prepared on a 5% basis?	Yes
Comments: The laboratory prepared and analyzed one matrix spike and matrix spike duplicate sample from client samples MW-85I.	
9. Were matrix spike recoveries within acceptable limits?	Yes
Comments: For batch L073461AA, all matrix spike recovery result for target analytes were within acceptable quality control limits. The RPD values were all below the maximum acceptable limit of 30%.	
10. Were surrogate recoveries within control limits?	Yes
Comments: The surrogate recoveries for all samples were within acceptable limits for dibromofluoromethane (80-116%R), 1,2-dichloroethane-d4 (77-113%R), toluene-d8 (80-113%R), and 4-bromofluorobenzene (78-113%R).	
11. General Comments: The Method 8260B results are accepted as reported by the laboratory.	

Table 3. Validation Criteria Checklist for Metal Analyses (6010B)	
1. Were the initial and continuous calibration standards within acceptable limits?	Yes
Comments: One initial calibration and four continuing calibration verifications were reported with this data set. All recoveries were within the acceptable limits.	
2. Were the instrument tunings within method control limits?	Yes
Comments: The percent recovery values for the low level ICP checks were within acceptable limits (91.3-104.7%). The percent recoveries for the initial and final interference checks were within acceptable control limits (98.5-103.8%). Serial dilutions were in accordance with the EPA guidance.	
3. Were the internal standards within method control limits?	N/A
Comments: Internal standards were not used in the analysis of metals.	
4. Were preparation blank samples analyzed on a 5% basis?	Yes
Comments: Preparation blank samples were prepared and analyzed on a greater than 5% basis.	
5. Were preparation blank detections reported for this data set?	No
Comments: No detections were reported for the preparation blanks associated with this data set.	
6. Were laboratory control samples analyzed on a 5% basis?	Yes
Comments: The laboratory analyzed LCSs on a greater than 5% frequency.	
7. Were laboratory control recoveries within acceptable limits?	Yes
Comments: Laboratory control sample results were within the quality control limits.	
8. Were matrix spike samples prepared on a 5% basis?	Yes
Comments: One MS/MSD sample pair was analyzed by the laboratory to document precision and accuracy in this analytical group. The MS/MSD pair was prepared from sample MW-85I.	
9. Were matrix spike recoveries within acceptable limits?	Yes
Comments: All matrix spike recoveries for metal analysis and reported RPD values were within the acceptable control limits.	
General Comments: The metals data are accepted as issued by the laboratory.	